Subject: Designing dice for dice snobs
Posted by gumball on Mon, 30 Aug 2010 22:44:03 GMT
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I am a dice collector. My collection of unusual dice has grown by leaps and bounds since finding Shapeways.

I am also a dice snob. I expect my favorites to be constructed correctly. Examine a professional D6. Opposite faces of a D6 should add up to 7. 6 opposite 1, 2 opposite 5 and 3 opposite 4. For a D8 the opposite sides should add up to 9, D20 should add up to 21. You get the idea.

I received a die in my latest order that is very unusual and interesting. However the numbering is off. I'll keep it in my bag of unusual dice for gaming, but I know in my heart of hearts I won't ever use it in a game. *sigh*

Brian
Self Proclaimed Dice Snob

Subject: Re: Designing dice for dice snobs
Posted by gibell on Mon, 30 Aug 2010 23:30:48 GMT
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I would guess it might be difficult to make a fair die using 3D printing. Particularly some of the designs where the numbers are large and a big part of the design, doesn't this create weighting imbalances because there is more material in some places than others? Even the layer alignment in a 3D printer could cause weighting differences.

In professional dice, don't they carefully fill in the pips so all the faces have the same weight?

I once attended an entertaining talk by Louis Zocchi, who gave all sorts of reasons why his dice were superior to all others.

Subject: Re: Designing dice for dice snobs
Posted by gumball on Mon, 30 Aug 2010 23:34:16 GMT
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Oddly, I'm less interested in fair, then how it looks.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 31 Aug 2010 00:52:48 GMT
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Here is one for your collection...

An ancient Hebrew dice

- Enjoy !

File Attachments

1) Ancient Hebrew dice.2991.jpg, downloaded 3319 times

Subject: Re: Designing dice for dice snobs
Posted by clsn on Tue, 31 Aug 2010 00:59:35 GMT
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Nice! It looks like you just used the first 12 letters of the alphabet and not the usual way of representing numbers over 12. Properly, after Ã—â„¢ should come Ã—â„¢Ã—Â• and then Ã—â„¢Ã—â€˜.

That isn't ancient Hebrew, it's still used in modern times (and that's a modern font, and I might even recognize it). I've been pondering looking for (or drawing) a good paleo-Hebrew in the style of the Hasmonean period to make a dreidel. (In the Hasmonean period they were already using letters similar to the modern ones, but a lot of coins and such deliberately used archaizing letters in the old paleo-Hebrew alphabet). Meanwhile I just have a normal one, for now.

You're probably right that *really* fair dice are beyond the capabilities of 3D printing (though I bet that "reasonably" fair dice are perfectly possible, depending on your definition of "reasonably"), but it's nice to stick with shapes that are at least conceivably fair.

Subject: Re: Designing dice for dice snobs
Posted by gibell on Tue, 31 Aug 2010 01:02:40 GMT
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dizingof wrote on Tue, 31 August 2010 00:52Here is one for your collection...

Wow!! Nice job!!

Are the Hebrew symbols on the correct faces?

I wanna design some dice too, to keep the collectors happy!

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Tue, 31 Aug 2010 12:13:26 GMT
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I believe all my die are properly faced. It's my goal to be as accurate to the law of die as possible. I've also thought about the weighted die issue. Haven't done anything in my designs about it, but have considered it . Actually I have one that is purposely weighted in my shop . Any ways. I have an idea for a die. Gonna work on that now.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 31 Aug 2010 12:22:17 GMT
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gibell wrote on Tue, 31 August 2010 01:02dizingof wrote on Tue, 31 August 2010 00:52Here is one for your collection...

Wow!! Nice job!!

Are the Hebrew symbols on the correct faces?

I wanna design some dice too, to keep the collectors happy!

Yes they are - it took some time to make sure.. (my buddy Google helped out)

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 31 Aug 2010 12:35:15 GMT
View Forum Message <> Reply to Message

clsn wrote on Tue, 31 August 2010 00:59Nice! It looks like you just used the first 12 letters of the alphabet and not the usual way of representing numbers over 12. Properly, after Ã—â„¢ should come Ã—â„¢Ã—Â• and then Ã—â„¢Ã—â€˜.

That isn't ancient Hebrew, it's still used in modern times (and that's a modern font, and I might even recognize it). I've been pondering looking for (or drawing) a good paleo-Hebrew in the style of the Hasmonean period to make a dreidel. (In the Hasmonean period they were already using letters similar to the modern ones, but a lot of coins and such deliberately used archaizing letters in the old paleo-Hebrew alphabet). Meanwhile I just have a normal one, for now.

You're probably right that *really* fair dice are beyond the capabilities of 3D printing (though I bet that "reasonably" fair dice are perfectly possible, depending on your definition of "reasonably"), but it's nice to stick with shapes that are at least conceivably fair.

Trust me its ancient Hebrew.
Modern prints and books mostly use Arial (Hebrew) fonts.
This font was used and still been used for generations in the "old testament" Bible.

As for the 11th and 12th representation of numbers - this dice
was used for learning - few of these dice represent the whole Hebrew alpha bet.

If the collector likes it , i'll have to make some more to complete the collection

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by clsn on Tue, 31 Aug 2010 13:25:43 GMT
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Looks a lot like http://new.myfonts.com/fonts/masterfont/turmus-mf/ ; am I right? Sure, fonts have

changed over the years (though the venerable Frank-Ruehl is still wildly popular in books), and I suppose you're right that the basic alphabet is still about the same as it was >2000 years ago, but the particular font here is fairly modern vintage (it's plainly heavily influenced by Frank-Ruehl, for example).

I thought you were implying "Ancient Hebrew" like in http://www.historian.net/siloam.htm or something, before the change to the Aramaic-based square Hebrew. (Like I wrote to you, I was thinking of doing a dreidel with those older characters... Even though they were already using square (modern-like) Hebrew in the Hasmonean period, a lot of Hasmonean coinage and such uses the older, archaizing script as a nationalistic statement.)

Anyway, alphabets and specifically Hebrew are another of my many interests, and you happened to trigger a lecture from me, sorry...

Subject: Re: Designing dice for dice snobs
Posted by gumball on Tue, 31 Aug 2010 15:35:58 GMT
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dizingof wrote on Tue, 31 August 2010 00:52Here is one for your collection...

It's cool, but my dice have to be "working" dice. I don't know the letters to be able to use it easily. The shape is nice and if it had roman numerals....

Youknowwho4eva wrote on Tue, 31 August 2010 12:13Actually I have one that is purposely weighted in my shop

Problem for me with weighted dice are that most people are thinking craps when they design them, so we get dice that land on 2 and 5 like yours. I want either character builder dice that land on sixes all the time, or Champions dice that land on 1's. That and dice that don't cost $87 in stainless. Gah! (did I forget to mention that I'm also a cheapass bastard?)

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Tue, 31 Aug 2010 15:37:38 GMT
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I was thinking of making it a co-creator. Pick what you want it to land on. I drew those well before stainless.

This ones only $10 in stainless

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Tue, 31 Aug 2010 15:58:33 GMT
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If you're willing to get stuff that isn't stainless steel or custom-designed, eM4 Miniatures do a lot of interesting dice, including a set of 2 loaded dice (scroll down just over halfway), and you can specify a pair that roll 6s, a pair that roll 1s, or one of each. They also have matching normal dice for your friends to check you're being honest (just practice your sleight of hand!).

Andy

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 31 Aug 2010 19:51:51 GMT
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There you go... A Roman Dice

Cheers,
Dizingof

File Attachments
1) Roman Dice.2996.jpg, downloaded 3152 times

Subject: Re: Designing dice for dice snobs
Posted by gumball on Tue, 31 Aug 2010 20:09:50 GMT
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Drawn-Steel Hero wrote on Tue, 31 August 2010 15:58If you're willing to get stuff that isn't stainless steel or custom-designed, eM4 Miniatures do a lot of interesting dice, including a set of 2 loaded dice (scroll down just over halfway), and you can specify a pair that roll 6s, a pair that roll 1s, or one of each. They also have matching normal dice for your friends to check you're being honest (just practice your sleight of hand!).

Andy

Nice site, I've order off there in the past. Can't use those loaded ones, my gaming pals are too savy

dizingof wrote on Tue, 31 August 2010 19:51There you go... A Roman Dice Cheers, Dizingof

Very nice. As soon as I can talk the little lady in to letting me get one die for $58.60, I'll get that!

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 31 Aug 2010 23:55:17 GMT
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gumball wrote on Tue, 31 August 2010 20:09
dizingof wrote on Tue, 31 August 2010 19:51There you go... A Roman Dice Cheers, Dizingof

Very nice. As soon as I can talk the little lady in to letting me get one die for $58.60, I'll get that!

ahh .. sorry about that.. forgot to hollow it

There you go .. A Roman Dice

Stainless Steel will cost you $ 32.40

My markup is only $5..

(Volume: 2.74 cmÃ‚Â³)

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs

Posted by dizingof on Fri, 03 Sep 2010 21:04:47 GMT
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2 new Dices..

Octahedral Dice

and 30 sides Dice

Cheers,
Dizingof

File Attachments

1) Octahedral Dice.13.jpg, downloaded 3155 times

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 03 Sep 2010 21:12:17 GMT
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dizingof wrote on Fri, 03 September 2010 21:042 new Dices..

Octahedral Dice

I'll probably get this one eventually . It looks like a D6, but the title is Octahedral, suggesting 8 sides. Which is it?

Brian

Subject: Re: Designing dice for dice snobs

Posted by dizingof on Fri, 03 Sep 2010 21:32:00 GMT
View Forum Message <> Reply to Message

gumball wrote on Fri, 03 September 2010 21:12dizingof wrote on Fri, 03 September 2010 21:042 new Dices..

Octahedral Dice

I'll probably get this one eventually . It looks like a D6, but the title is Octahedral, suggesting 8 sides. Which is it?

Brian

its D6 , the shape is called "Octahedral Symmetry"

Btw, The first 2 dices were ordered yesterday - i thought it was you..

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 03 Sep 2010 21:41:09 GMT
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dizingof wrote on Fri, 03 September 2010 21:32
Btw, The first 2 dices were ordered yesterday - i thought it was you..

No, I will not be able to order anything till my Lulu.com revenues for the this month hit my Paypal account around the 17th. Then I'll have a whole $73.11! (I overspent last month and the little woman wasn't happy!)

Brian

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 03 Sep 2010 21:57:22 GMT

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gumball wrote on Fri, 03 September 2010 21:41dizingof wrote on Fri, 03 September 2010 21:32
Btw, The first 2 dices were ordered yesterday - i thought it was you..

No, I will not be able to order anything till my Lulu.com revenues for the this month hit my Paypal account around the 17th. Then I'll have a whole $73.11! (I overspent last month and the little woman wasn't happy!)

Brian

Nice... so some one else ordered them.
I guess there is a market for uniquely designed dices. cool.

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 04 Sep 2010 00:34:47 GMT
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I just stumbled on this page :
http://www.dicecollector.com/THE_DICE_THEME_SHAPEWAYS.html

Yippee for shapeways !

Nice collection .... hope to be there too

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 04 Sep 2010 19:50:58 GMT
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Shapers.. here are 2 new more dices :

1. Fractal Dice.

2. Gravity well Dice

now that all dices ideas are out of my system i'll move on

Cheers,
Dizingof

File Attachments

1) Fractal dice.29.jpg, downloaded 3070 times

Subject: Re: Designing dice for dice snobs
Posted by euphy on Sat, 04 Sep 2010 21:09:52 GMT
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gumball I don't think that's snobbery, that's just wanting a reasonable die. It's a bit like the ebay sellers who take a picture of a photo of a expensive watch, and then send the buyer the photo that they have bought. Bit different here because we have the chance to do a 3D view and check all the sides, but I would have hoped that a designer of dice would know the basic rules. Bit odd.

Besides, that the 3d viewer doesn't seem to work for me. Not bitter.

SN

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 05 Sep 2010 18:42:43 GMT
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Sorry couldn't help my self .. this one for Google bot..

Collectible item, Swirl Dice

Cheers,
Dizingof

File Attachments

1) Swirill Dice.51.jpg, downloaded 2924 times

Subject: Re: Designing dice for dice snobs
Posted by gumball on Mon, 06 Sep 2010 16:44:16 GMT
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Gah!!!! Too many dice, not enough Paypal income!

Wow, I'm going to have a hard time choosing come the 17th.....

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 06 Sep 2010 17:26:33 GMT
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gumball wrote on Mon, 06 September 2010 16:44Gah!!!! Too many dice, not enough Paypal income!

Wow, I'm going to have a hard time choosing come the 17th.....

I seem to have a ton of new dice designs waiting to be modeled.. I'm adding approx 2 dices per day to my shop

Check out this new one , part of a line of sliced dices to be uploaded soon.

Tetrahedron Sliced Dice

Btw, i was asked by one collector to allow not just the metal materials.. as cost of metal is a factor

- so all plastic materials are also available.
(This way you can decide better what to re-order in metal)

Also, a designer's markup fee is the same no matter what material used.

-Enjoy !

Dizingof

File Attachments

1) Tetrahedron Dice.64.jpg, downloaded 2821 times

Subject: Re: Designing dice for dice snobs
Posted by Magic on Mon, 06 Sep 2010 18:49:32 GMT
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To come back to the initial idea that opposite faces should always sum up to the maximum value plus one, I completely agree with this. Furthermore, for aesthetical reasons, and when possible (for a D6 for instance), I think that the numbers that have an 'orientation' (like arabic or roman numbers and unlike pips) should be always directed so that none has the same orientation (difficult to explain, see one of my D6 for a picture): since you cannot orient them all in the same direction, it is more "balanced" to orient none of them in the same direction. Does that make sense?

Another remark about the well balanced dice: I have always thought that a D12 (dodechadron) - this time with opposite faces having the same value - is more reliable than a D6 (cube), for the following reasons:
- it rolls better since its shape is closer from a sphere
- when you are on one number you can go to any other number with a slight rotation: any number has all the other numbers as neighbours
- if there is a risk that the die is loaded then, since opposite faces have the same value, the effect is not as efficient (you make a face with a certain number more likely and the opposite face with the same number less likely).

Perhaps an idea for a new member in the dice family?

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Mon, 06 Sep 2010 19:25:55 GMT
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Sounds like a similar idea to that employed by eM-4 on one of their dice; because normal tetrahedral D4s aren't very ergonomic, they produce a D8 with the numbers 1-4 repeated twice.

Andy

Subject: Re: Designing dice for dice snobs
Posted by Shuggster on Mon, 06 Sep 2010 21:32:19 GMT
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nice dice Dizi, would have thought you'd have exhausted all your ideas for them with the number you've done

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 06 Sep 2010 23:58:48 GMT
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Shuggster wrote on Mon, 06 September 2010 21:32nice dice Dizi, would have thought you'd have exhausted all your ideas for them with the number you've done

Thanks

I'm puzzled my self.. they just keep coming

The latest:

Octahedron Dice

Hope you guys like them - please rate.

Cheers,
Dizingof

File Attachments
1) Octahedron Dice.74.jpg, downloaded 2825 times

Subject: Re: Designing dice for dice snobs
Posted by photosfromrob on Tue, 07 Sep 2010 03:05:54 GMT
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Aren't dice supposed to lie flat on their faces? these won't.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Sep 2010 18:59:49 GMT
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photosfromrob wrote on Tue, 07 September 2010 03:05Aren't dice supposed to lie flat on their faces? these won't.

These are collectible/designer items.
The numbers are 1.5-2mm thick so they barely affect how the dice lie on a face.

Shapers, guess what this is?...

Cheers,
Dizingof

File Attachments
1) Torus D6 Dice.125.jpg, downloaded 2575 times

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Wed, 08 Sep 2010 19:08:14 GMT
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Maybe we should start a new thread for all your idea's Dizingof?

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Sep 2010 19:11:33 GMT
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Youknowwho4eva wrote on Wed, 08 September 2010 19:08Maybe we should start a new thread for all your idea's Dizingof?

Be my guest buddy, i hope i didn't spam this one
Seems relevant to me..

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Wed, 08 Sep 2010 19:16:57 GMT
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dizingof wrote on Wed, 08 September 2010 18:59Shapers, guess what this is?...
I'm gonna guess it's a differently-shaped D6, kinda like eM-4's crystal polydice.

Andy

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Sep 2010 19:21:05 GMT
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Drawn-Steel Hero wrote on Wed, 08 September 2010 19:16dizingof wrote on Wed, 08 September 2010 18:59Shapers, guess what this is?...
I'm gonna guess it's a differently-shaped D6, kinda like eM-4's crystal polydice.

Andy

Guess again.

Picture is clickable..

Subject: Re: Designing dice for dice snobs

Posted by Youknowwho4eva on Wed, 08 Sep 2010 19:30:53 GMT
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dizingof wrote on Wed, 08 September 2010 19:11Youknowwho4eva wrote on Wed, 08 September 2010 19:08Maybe we should start a new thread for all your idea's Dizingof?

Be my guest buddy, i hope i didn't spam this one
Seems relevant to me..

I'm not seeing relevance to Designing dice for dice snobs. Now if you were asking about particular dice snobbery rules, and used an image as a question, then sure. But so far just looks like a bunch of ads.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Sep 2010 20:10:23 GMT
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Youknowwho4eva wrote on Wed, 08 September 2010 19:30dizingof wrote on Wed, 08 September 2010 19:11Youknowwho4eva wrote on Wed, 08 September 2010 19:08Maybe we should start a new thread for all your idea's Dizingof?

Be my guest buddy, i hope i didn't spam this one
Seems relevant to me..

I'm not seeing relevance to Designing dice for dice snobs. Now if you were asking about particular dice snobbery rules, and used an image as a question, then sure. But so far just looks like a bunch of ads.

They are not "bunch of ads".. they are designs showcased for the opener of this thread.

New dies are what gumball is looking for.

"Snobbery" is hardly the main issue on this thread.

It's a "side note"..

Subject: Re: Designing dice for dice snobs
Posted by GHP on Thu, 09 Sep 2010 02:56:35 GMT
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Hi, this is a new die I designed with a stylized petal design extending from the centre to the corners:

http://www.shapeways.com/model/153064/petal_die.html?gid=ug2 8511

It has 1mm wall thicknesses. Does it look sturdy enough? I think it should be fine in plastic, but I'm not sure how it will hold up during printing in stainless steel, especially the numbers. They're attached at the top and bottom only.

Also, it is appealing to dice collectors? I'm considering whether to do the same sort of thing with different numbers of sides.

Thanks,
Gillian Posey.

(Note, opposite sides do add up to seven, and I decided to follow Magic's example in orienting the numbers!)

Subject: Re: Designing dice for dice snobs
Posted by gumball on Thu, 09 Sep 2010 04:55:44 GMT
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GHP wrote on Thu, 09 September 2010 02:56Also, it is appealing to dice collectors? I'm considering whether to do the same sort of thing with different numbers of sides.

I was planning on getting one at some point....

Brian

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 09 Sep 2010 08:00:06 GMT
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I am kind of curious what you think of my puzzle. I can't print it on my 3D printer so I ordered one from Shapeways to see how it works. Both a puzzle and a working Die.
http://www.shapeways.com/model/153397/puzzle_die.html

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Thu, 09 Sep 2010 11:16:21 GMT
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mctrivia wrote on Thu, 09 September 2010 08:00I am kind of curious what you think of my puzzle. I can't print it on my 3D printer so I ordered one from Shapeways to see how it works. Both a puzzle and a working Die. http://www.shapeways.com/model/153397/puzzle_die.html

Looks very cool, and it's a really nice idea. I am curious how it works, though; it looks as though each side has nine complete tiles in it, so how do they slide? And what's the thinking behind the containing cage? It looks like it might get in the way a bit. I'm also no expert in sliding puzzles, though, so maybe it makes perfect sense.

Now you've done that, I find myself thinking that a Rubik's Cube-style die would work really well, and I'd be surprised if no-one's thought of it before...

Andy

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 09 Sep 2010 12:17:18 GMT
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The pieces can slide around due to the fact there is 1 missing in the cube arangement. the cages

center bar is 1.5mm wide and thick to try to minimize how much it would get in the way. Even with trying to minimize that some with bigger fingers will probably find it easier to do the puzzle with a tooth pick or stylus. The pieces are 9.8mm on all sides with a 0.2mm gap between them so they can be printed with white strong or aluminide.

I can definitely design a rubicks cube die and it was next on my to do list. It is a bit of a balancing act to make small so it is cheap and more usable as a die but big enough to use.

Subject: Re: Designing dice for dice snobs
Posted by GHP on Thu, 09 Sep 2010 21:14:40 GMT
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gumball wrote on Thu, 09 September 2010 04:55I was planning on getting one at some point....

Thank you! That's encouraging. (And I've got an order for one now too .)

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Thu, 09 Sep 2010 21:57:23 GMT
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It does seem that novelty dice are pretty much guaranteed sellers; my first die design is the first model I've sold, and it did so within a couple of days of my submitting it. I need to get my thinking cap on for more...

Andy

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 09 Sep 2010 21:59:37 GMT
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Drawn-Steel Hero wrote on Thu, 09 September 2010 21:57It does seem that novelty dice are pretty much guaranteed sellers; my first die design is the first model I've sold, and it did so within a couple of days of my submitting it. I need to get my thinking cap on for more...

Andy

That's the spirit !

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 10 Sep 2010 18:04:23 GMT
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Hey Dice Collectors,

Few more dices added to my page - Enjoy !

Hollow D6 Dice (With balancing inner ball)

Spherical Helix D6 Dice

Helix D3 Dice

The latest : Twisted Bars D6 Dice

Cheers,
Dizingof

File Attachments

1) Twisted D6 Dice.156.jpg, downloaded 2073 times

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Fri, 10 Sep 2010 19:12:00 GMT
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i have 2 more also http://shapeways.com/shops/propmodule

File Attachments
1) die.JPG, downloaded 1804 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 11 Sep 2010 19:09:09 GMT
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Hello Shapers & Dice collectors,

As promised.. here are few more.. unique Dices added to my page - Enjoy !

Mirrored D12 Dice

Truncated Rhombicosidodecahedron

This one is an Organic version of the Truncated Rhombicosidodecahedron D12 Dice

According to Google this could be a first.

Cheers,
Dizingof

File Attachments
1) Rhombicosidodecahedron D12 Dice.186.jpg, downloaded 1908 times

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Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 11 Sep 2010 19:11:28 GMT
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Forgot this one, Rotary D12 Dice (2 parts swivel using a hinge)

Cheers

File Attachments

1) Hinged D12 dice.171.jpg, downloaded 1792 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 13 Sep 2010 03:00:06 GMT
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Somebody stop me !

Yet another batch of cool dices added to my page.
- Enjoy

A Menger Sponge fractal D6 Dice - this cool D6 dice uses math to create a level 3 fractal (creating copies of itself inward) up to 1mm thick walls - cant go beyond that for 3D printing at this size.

Stacked balls D6 Dice

Wizard's D7 Dice
Pick a day of the week when face lands towards you.

Odd shaped D8 Dice

Kepler-Poinsot polyhedron D12 Dice - A star-like dice.

Last one , one of my favorites...

An Oloid D4 Dice

Awesome shape !
Again, according to Google nothing like it was made yet as dice - so you saw it first on Shapeways!

Cheers,
Dizingof

File Attachments

1) oloid D4 dice.219.jpg, downloaded 1784 times

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Mon, 13 Sep 2010 18:53:37 GMT
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Check it out .

Extruded Pipe D6

2.3 cm sides, made with a single 1mm pipe/wire making up the whole construction.

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Mon, 13 Sep 2010 21:45:12 GMT
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Now that I like.

Andy

Subject: Re: Designing dice for dice snobs
Posted by gumball on Tue, 14 Sep 2010 19:39:31 GMT
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The Extruded pipe die is awesome and I'll probably get one as soon as I make another order.

Dizingof:
You've put a bunch of interesting dice up lately, however... Your gear dice just don't work for me, maybe for someone else it will work but my group wouldn't allow those at the table.

Ignoring the fact that I'd have a hard time buying a die over $20 (I'm a spendthrift and a cheap-ass, go figure), the gear dice aren't symmetrical and my group would dismiss them as "unfair". No having had one in my hands, I would also expect them to land more on the concave portions then the convex ones.

P.S. if someone orders a Swirl Die (yeah, I know it's over $20, shut up, I like it!) and an Octahedral Die in the next week or so, you know it's me!

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 14 Sep 2010 19:47:23 GMT
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Thanks Gumball.

If you want to hang fire for a few weeks, I'll be ordering one myself in SS to see if it turns out ok (+ i've another design on the go that i'd like to get in too)

[edit] Cheers Andy

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 14 Sep 2010 20:23:43 GMT
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gumball wrote on Tue, 14 September 2010 19:39The Extruded pipe die is awesome and I'll probably get one as soon as I make another order.

Dizingof:
You've put a bunch of interesting dice up lately, however... Your gear dice just don't work for me,

maybe for someone else it will work but my group wouldn't allow those at the table.

Ignoring the fact that I'd have a hard time buying a die over $20 (I'm a spendthrift and a cheap-ass, go figure), the gear dice aren't symmetrical and my group would dismiss them as "unfair". No having had one in my hands, I would also expect them to land more on the concave portions then the convex ones.

P.S. if someone orders a Swirl Die (yeah, I know it's over $20, shut up, I like it!) and an Octahedral Die in the next week or so, you know it's me!

Hey gumball

First, i'm told i started a designers dice frenzy on shapeways... well i'm happy about it, mainly thanks to your thread.

The latest Gear D10 Dice is actually symmetrical (minus 1 mm on one side)

The Gear D6 isnt - making it symmetrical makes it over $40 for metal printing.. so i leave it as "novelty" and avoid "non fair" sized in the future.

About dies cost - i personally use the most efficient method to hollow my models , as you can see on this post :
http://www.shapeways.com/forum/index.php?t=msg&S=d25c6bf773e35783765ba888cfaa5a13&th=1169&goto=17654#msg_176 54

Any other method suggested at that thread will not come close , meaning i cut printing cost to the bare minimum WITH the recommended wall thickness - so in fact i put cost & affordability as main factor when designing a new dice.

After all 3D printing dice isnt a mass production dice.

I also hate to say it by markup is ridiculously low
I do enjoy the design process and the feedback from dice collectors community.

Enjoy
Dizingof

File Attachments
1) Gear D10 Dice.jpg, downloaded 1649 times

Subject: Re: Designing dice for dice snobs
Posted by gumball on Tue, 14 Sep 2010 21:08:32 GMT
View Forum Message <> Reply to Message

dizingof wrote on Tue, 14 September 2010 20:23The latest Gear D10 Dice is actually symmetrical (minus 1 mm on one side)

Sorry, it was having some numbers on the ends that I was referring to. In my perfect dice world all the sides are the same shape and size.

dizingof wrote on Tue, 14 September 2010 20:23About dies cost - i personally use the most efficient method to hollow my models , as you can see on this post :
http://www.shapeways.com/forum/index.php?t=msg&S=d25c6bf 773e35783765ba888cfaa5a13&th=1169&goto=17654#msg_176 54

Any other method suggested at that thread will not come close , meaning i cut printing cost to the bare minimum WITH the recommended wall thickness - so in fact i put cost & affordability as main factor when designing a new dice.

After all 3D printing dice isnt a mass production dice.

I also hate to say it by markup is ridiculously low
I do enjoy the design process and the feedback from dice collectors community.

Enjoy
Dizingof

I never meant to imply that your designs weren't optimized to the max, or that you were gouging on your markup.

The fact is that I work 3/4 time for a private non-profit and without my own online sales (lulu.com , cafepress.com , tijuana-bible.com , luridfridge.com) I couldn't afford my fun purchases. Rachel (my SO) has agreed that those are so variable and unreliable, that I don't have to count them in

the monthly budget and I can do what I please with that money! In return, I promised not to look too closely at the column marked "shoes" in the monthly budget.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 15 Sep 2010 02:53:42 GMT
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Here is a new one

A Wizard's D6 Dice

It has an inner copy of itself balancing the dice by landing between 2 bars (see cross section pic).

cross section:

Cheers,
Dizingof

File Attachments
1) Wizard's D6 Dice.256.jpg, downloaded 1543 times

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 15 Sep 2010 03:34:48 GMT
View Forum Message <> Reply to Message

that is a cool die. I think I will order one with my next order.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 15 Sep 2010 14:30:05 GMT
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not a die per say but here is a d6 roulette wheel

http://www.shapeways.com/model/155326/roulette_d6_spinner.ht ml?gid=ug49347

d8 and d4 coming soon

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Wed, 15 Sep 2010 14:46:17 GMT
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That's quite cool. I take it there's some way of definitively telling which "side" it's landed on?

Andy

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 15 Sep 2010 15:00:50 GMT
View Forum Message <> Reply to Message

yes

File Attachments

1) rt.JPG, downloaded 1478 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 15 Sep 2010 16:02:05 GMT
View Forum Message <> Reply to Message

mctrivia wrote on Wed, 15 September 2010 14:30not a die per say but here is a d6 roulette wheel
http://www.shapeways.com/model/155326/roulette_d6_spinner.ht ml?gid=ug49347

d8 and d4 coming soon

I like the roulette d6 !

My second dice from yesterday is a cute D4 dice - The Steiner Surface D4 Dice

Cheers,
Dizingof

File Attachments

1) Steiner Surface D4 Dice.264.jpg, downloaded 1486 times

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 15 Sep 2010 17:36:56 GMT
View Forum Message <> Reply to Message

thanks glad you like. got d4 and d8 up now. i can make 10,12 and 20 but it would start to get hard to read so i will make if requested only

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 16 Sep 2010 03:19:07 GMT
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Wow ! i designed 40 (!) dies since this thread begun !

Here is the daily fix.. 4 new beauties:

Gear cube D6 dice

Big Rhombic triacontahedron D30 Dice
- This is a big one with the numbers clear & readable - 1.5mm depth.

Chaos D6 Dice

And my 40th dice !

The Wizard's D4 top Dice

Cheers,
Dizingof

File Attachments

1) Wizard's D4 top Dice.287.jpg, downloaded 1389 times

Subject: Re: Designing dice for dice snobs
Posted by berky93 on Thu, 16 Sep 2010 03:30:51 GMT
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you need to leave a hold to drain the excess powder or else the weight wont function.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 16 Sep 2010 03:39:03 GMT
View Forum Message <> Reply to Message

berky93 wrote on Thu, 16 September 2010 03:30you need to leave a hold to drain the excess powder or else the weight wont function.

Hit the "View in 3D" link in any dice page to see the hole..

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Thu, 16 Sep 2010 13:46:43 GMT
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Still a wip, too many polygons & not quite lined up right.

I call this D6.

"Chained"

[edit] Update.

Success!

"Chained Die D6" is now printable

Each side is 2.7 cm with approx 12mm tall numbers and 1mm dia wire making up the chains and rings.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 16 Sep 2010 17:01:26 GMT
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here is a spherical d3 i designee

http://www.shapeways.com/model/155857/spherical_d3.html?gid= ug49347

File Attachments

1) cut.JPG, downloaded 1316 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 16 Sep 2010 17:11:24 GMT
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Nice !

Will it not land on the opposite hemispheres? the empty ones?

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 16 Sep 2010 17:17:02 GMT
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the inner channel is mostly a cylinder. the weight will always go to the opposite side of one of the numbers. i will try printing one out on my home printer today. may not work since my printer is a FDM printer not laser sintering

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 16 Sep 2010 17:24:07 GMT
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cool... let us know with some pics please
love to hear more on that printer, is that a rep rap?

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 16 Sep 2010 17:25:27 GMT
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i am going to build a reprap soon. currently using a makerbot

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 16 Sep 2010 17:46:22 GMT
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Folks here is a new die hot out of the oven:

"Pre-Historic" D6 Dice

Cheers,
Dizingof

File Attachments

1) Pre-historic D6 dice.300.jpg, downloaded 1283 times

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 16 Sep 2010 18:04:12 GMT
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i just removed so people cant order until i am sure it will work

---

Subject: Re: Designing dice for dice snobs
Posted by clsn on Thu, 16 Sep 2010 18:21:14 GMT
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The other day I sort of cut to the chase with dice-designing. I've been making several dice I've been calling "open", that are hollow, made of struts, with each face having a solid plate the same shape as the face but *tilted* and sunken a little, and the label embossed there. So there's the Open d12 and the Open *Rhombic* d12 (yeah, I know that's two d12s, and d12s aren't the most useful dice anyway, but they both looked nice!), and the Open d8. But when I did the d6, I went all the way and made it Co-Creator, so people can give me whatever they want on its faces and I'll put them there. It looks pretty cool in its default state too. So at least as far as labeling the sides, the Open Customizable d6 is pretty much as far as it goes, since it can be anything.

I could also offer a solid full-color sandstone cube with *ANY* picture you want on the faces, but that seems too easy (though I did make one with nice rounded edges...)

Bringing this thread back to its original purpose, I note that although the default form of the Open d6 *does* have opposing faces adding to 7 and 1,2,3 going counterclockwise, since it is to be made to order I cannot be responsible for customers who order strange nonstandard labellings, and I apologize in advance to any dice snobs who may get offended at that.

We should probably have someplace special to post new creations instead of clogging this thread with ads, I think.

Subject: Re: Designing dice for dice snobs
Posted by gumball on Thu, 16 Sep 2010 18:32:13 GMT
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clsn wrote on Thu, 16 September 2010 18:21I apologize in advance to any dice snobs who may get offended at that.

Hey, I'm not offended... I just won't have one of "those dice" in my collection!

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 17 Sep 2010 01:23:34 GMT
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So gumball.. where were we?

Oh yeah.. "Pre-Historic" D12 Dice

Enjoy ,

Dizingof

File Attachments

1) Untitled.306.jpg, downloaded 1252 times

Subject: Re: Designing dice for dice snobs
Posted by clsn on Fri, 17 Sep 2010 01:42:22 GMT
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clsn wrote on Thu, 16 September 2010 18:21
[SIZE=5]We should probably have someplace special to post new creations instead of clogging this thread with ads, I think.[/SIZE]

Just thought that paragraph might have been overlooked.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 17 Sep 2010 02:26:20 GMT
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It wasn't.

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 17 Sep 2010 03:27:28 GMT
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Want to show me your new dice? Lets take it here...

Seems more like a general discussion thing....

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 17 Sep 2010 04:38:17 GMT
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Shapers, here is something to consider..

The more discussions in any given thread the more Google will rank it high on relevant searches -

in this case, on searches made by Dice collectors from all over the world..

This high quality , TARGETED traffic is sent from Google to this thread then spread over to Shapeways.com which then generates new member sign ups, new fellow designers and yes also new orders.. for ALL our shops - that's growth.

So i see no reason why any member should feel annoyed perhaps if fellow designers shamelessly plug their Dice designs and showcase them to the opener of this thread... which in understatement didn't complain about this flood of new Dice designs, ready to be picked for his collection (and that's one picky Dice collector mind you)

I personally had a great time in the past 2 weeks entering this new niche which i had no idea existed and amazed by how i could materialize multiple designs/ideas of different shapes and themes.

BTW, Next month it will be 1 year since i joined Shapeways
I have to say i came along way from being a total 3D noob to making some of the nicest designs on Shapeways (including a shocking wining of SIGGRAPH 2010 contest).

So Shapers.. be creative, be productive , be competitive, be cool - it's all about fun ! (and some nice Franklins)

My 2c.

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 17 Sep 2010 04:56:21 GMT
View Forum Message <> Reply to Message

gumball wrote on Fri, 17 September 2010 03:27Want to show me your new dice? Lets take it here...

Seems more like a general discussion thing....

or not...

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Fri, 17 Sep 2010 14:50:42 GMT
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i have a coupon with $0.56 left on it. the first person to pm me that wants to order one of my models can have. i am using the honor system here please don't lie.

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 17 Sep 2010 17:27:19 GMT
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If anyone is interested, here is my latest order.

Chained Die (D6)

Swirl Dice

"Open" d8 - Eight-sided

Extruded Pipe Die (D6)

"Skeleton" Die (D8)

Petal Die

20-sided die with leaves - Stainless Steel (for me)
20-sided die with leaves - Antique Bronze Matt (for Rachel's Birthday)

Smaller Steampunk D6

Steampunk D6

Wing Earrings - Stainless - again for Rachel

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Fri, 17 Sep 2010 17:55:04 GMT
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Thanks Gumball, two of mine are in your order... what material did you order them in? Reason I ask is that I ordered the Extruded & Chained dice myself in stainless.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 17 Sep 2010 18:36:41 GMT
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Thanks Gumball

Enjoy.

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 17 Sep 2010 19:28:51 GMT
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stop4stuff:
I am collecting stainless steel exclusively. I'm really looking forward to seeing how those turn out.

dizingof:
I'm still going to purchase your octahedral D6 at some point, but I needed a couple D8's more, so a D6 or two that was in the basket didn't make it to the final order.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 17 Sep 2010 19:39:42 GMT
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Great.
I added a D8 early in the morning - check it out.

Today my in-box was cluttered by "Your model has been shipped" emails.
So Shapers who ordered - your dice (plural) is on its way to you!

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 17 Sep 2010 19:59:34 GMT
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dizingof wrote on Fri, 17 September 2010 19:39Great.
I added a D8 early in the morning - check it out.

The prehistoric stuff looks great, but again I'm only doing steel and if it gets over the$18-$20 mark, I'm not likely to buy it unless it is something really ÃƒÂ¼ber-cool, like your swirl die.

Glad to hear others are buying. Keep it up!

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Fri, 17 Sep 2010 20:09:42 GMT
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your dice (plural) is on its way to you!

I believe that would be your dice (plural) are on their way to you!

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 17 Sep 2010 22:26:24 GMT
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Youknowwho4eva wrote on Fri, 17 September 2010 20:09your dice (plural) is on its way to you!

I believe that would be your dice (plural) are on their way to you!

me no speak English good

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 17 Sep 2010 22:46:43 GMT
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Hey Gumball & fellow dice collectors ,

If you want any dice from my 43 dice designs.. lets say.. till Monday? with ZERO markup! please let me know and i'll update that die's page with zero markup !

I decided to celebrate an early 1 year membership at Shapeways...
and want to give some back....

Many thanks to Shapeways extreme generosity and to the kindest customer support department eva ! !

Best regards,
Asher

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Sat, 18 Sep 2010 09:08:01 GMT
View Forum Message <> Reply to Message

gumball wrote on Fri, 17 September 2010 19:28stop4stuff:
I am collecting stainless steel exclusively. I'm really looking forward to seeing how those turn out.

likewise... hopefully they'll be ok

Subject: Re: Designing dice for dice snobs
Posted by gumball on Sat, 18 Sep 2010 11:38:20 GMT
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dizingof wrote on Fri, 17 September 2010 22:46If you want any dice from my 43 dice designs.. lets say.. till Monday? with ZERO markup! please let me know and i'll update that die's page with zero markup !

So what are we talking here for discount? I'm not committing to buy (cause I just made a big orer), but I'm most interested in the following:

SS Prices for the following;
Chaos D6 Dice $30.50
Steiner Surface D4 Dice $34
Twisted D6 Dice $25.30
Kepler-Poinsot polyhedron D12 Dice $32.40
Octahedral Dice $19.50
Fractal Dice $38.40

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 18 Sep 2010 12:24:28 GMT
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gumball wrote on Sat, 18 September 2010 11:38dizingof wrote on Fri, 17 September 2010 22:46If you want any dice from my 43 dice designs.. lets say.. till Monday? with ZERO markup! please let me know and i'll update that die's page with zero markup !

So what are we talking here for discount? I'm not committing to buy (cause I just made a big orer), but I'm most interested in the following:

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Steiner Surface D4 Dice $34
Twisted D6 Dice $25.30
Kepler-Poinsot polyhedron D12 Dice $32.40
Octahedral Dice $19.50
Fractal Dice $38.40

You only pay for Shapeways cost - i'm out of the picture - NO markup

ss Chaos D6 is $8 less

ss Steiner is $10 less

SS Octahedral Dice will cost you just $9.5

etc..

offer valid till Monday

Subject: Re: Designing dice for dice snobs
Posted by gumball on Sat, 18 Sep 2010 18:48:32 GMT
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OK, I'll definitely take you up on these two,

Octahedral Dice
Twisted D6 Dice

I'd also like to get these three, but I'm going to have to "discuss" this with the little woman.

Chaos D6 Dice
Kepler-Poinsot polyhedron D12 Dice
Fractal Dice

If you discount these five, I promise to get the two, and hopefully some of the other three.

Brian
a.k.a. gumball

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 18 Sep 2010 18:58:46 GMT
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gumball wrote on Sat, 18 September 2010 18:48OK, I'll definitely take you up on these two,

Octahedral Dice

Twisted D6 Dice

I'd also like to get these three, but I'm going to have to "discuss" this with the little woman.

Chaos D6 Dice
Kepler-Poinsot polyhedron D12 Dice
Fractal Dice

If you discount these five, I promise to get the two, and hopefully some of the other three.

Brian
a.k.a. gumball

Done.

Ok , all 5 dice now have a markup of only 10 cents (so not to confuse the system) until Monday.

Enjoy

Subject: Re: Designing dice for dice snobs
Posted by gumball on Sat, 18 Sep 2010 20:22:44 GMT
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I didn't get the Chaos D6.... but the others are ordered.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 18 Sep 2010 21:53:54 GMT
View Forum Message <> Reply to Message

Great.

Anyone else ? let me know

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 19 Sep 2010 00:47:30 GMT

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Hey, just got this link
http://www.dicecollector.com/THE_DICE_THEME_SHAPEWAYS.html#D IZINGOF

I'm officially a dice designer

Thanks to Kevin kook the Guinness record holder of the largest collection of dies on the planet ! (soon to be 32,000 dies !!)

check out The Dice collector

Here is my Roman Dice he ordered:

Cheers,
Dizingof

File Attachments
1) MINT24_SHAPEWAYS_DIZINGOF_ROMAN_DICE_.jpg, downloaded 628 times

---

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Sun, 19 Sep 2010 06:37:08 GMT
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Isn't it great!

My Rings & Pipes Dreidel is there too... and clsn has several dice there as well.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 19 Sep 2010 15:44:14 GMT
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Yes, There are many very skilled Shapeways designers there - i already posted about it on page 2 of this thread

Gumball, your order of 4 dies arrived this morning and the system didn't freak out with a markup of

10 cents per die - so folks the sale is on till Monday

Check out the last of the "Pre-Historic" dice theme :
"Pre-Historic D4 Dice"

Cheers,
Dizingof

File Attachments

1) pre-historic D4.325.jpg, downloaded 583 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 20 Sep 2010 04:05:06 GMT
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What better gift idea for a Dice collector / spouse / girlfriend then this..

Naughty Dice

Cheers,
Dizingof

File Attachments

1) naughty dice.334.jpg, downloaded 564 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 20 Sep 2010 22:36:41 GMT
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Hello,

I'm glad to report that both Gumball and Kevin took advantage of my offer for ZERO markup on my dice collection during last weekend.

Both ordered approx over $150 with no markup.

Here is a new cool Ancient Royal Dice

Cheers,
Dizingof

File Attachments

1) Royal Dice.344.jpg, downloaded 518 times

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 21 Sep 2010 15:53:09 GMT
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Unfortunately the 'Chained Die d6' didn't work out, my appologies to those who ordered it. I'll be re-working it and ensuring that it really is printable (i.e. order it myself) before publishing the model in my shop.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 22 Sep 2010 19:13:14 GMT
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Here is my 50th (!) die design

Mayan D6 Dice

Cheers,
Dizingof

File Attachments

1) Maayan D6 dice.361.jpg, downloaded 468 times

Subject: Re: Designing dice for dice snobs
Posted by gumball on Wed, 22 Sep 2010 19:28:12 GMT
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That is ultra cool!

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 22 Sep 2010 19:56:11 GMT
View Forum Message <> Reply to Message

gumball wrote on Wed, 22 September 2010 19:28That is ultra cool!

Thanks

Subject: Re: Designing dice for dice snobs
Posted by gumball on Wed, 22 Sep 2010 20:07:16 GMT
View Forum Message <> Reply to Message

Too bad I'll have to wait another year for your next sale!

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 22 Sep 2010 21:34:58 GMT

View Forum Message <> Reply to Message

lucky me

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Thu, 23 Sep 2010 15:41:02 GMT
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Hey ho.

Looks like my Extruded Pipe Die D6 isn't printable in stainless either... again, my apologies to those who ordered... I don't know if that will be possible for stainless without losing the style of the design (but I may try it again sometime)

Also, is there a protocol for the number ordering on a D12 other than opposite sides adding up to 13?

Subject: Re: Designing dice for dice snobs
Posted by gumball on Thu, 23 Sep 2010 16:08:06 GMT
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Odd, I ordered the pipe die and the chain die. I got that message about the chain die but not the pipe.

Here's keepin my fingers crossed!

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Thu, 23 Sep 2010 16:16:12 GMT
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I ordered the extruded at the same time as the chained, both in stainless, the chained failed 2 days ago, but as yet I've not had my order for extruded fail.

Anything about D12s you can tell me Gumball... I've got a stepped version with numbers ready to plant onto faces.

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Thu, 23 Sep 2010 16:58:06 GMT
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I'll be nice a share a source http://www.dicecollector.com/MY_PAPER.HTM

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 23 Sep 2010 18:35:35 GMT
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gumball wrote on Thu, 23 September 2010 16:08Odd, I ordered the pipe die and the chain die. I got that message about the chain die but not the pipe.

Here's keepin my fingers crossed!

Did you get the Swirl dice in metal?

I'm now told it cant be printed in metal... nor the Spherical Helix Dice

How can 1.5mm thick pipes be to thin.. when for ex. the Octahedral Dice was already printed in metal and it is a 1.5 mm pipes.. and even less?

File Attachments
1) MINT24_SHAPEWAYS_DIZINGOF_OCTAHEDRAL_DICE.jpg, downloaded 399 times

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 23 Sep 2010 18:41:44 GMT
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steel minimum diameter is 3mm with 1mm clearance

Subject: Re: Designing dice for dice snobs

Posted by gumball on Thu, 23 Sep 2010 19:05:47 GMT
View Forum Message <> Reply to Message

dizingof wrote on Thu, 23 September 2010 18:35Did you get the Swirl dice in metal?

I'm now told it cant be printed in metal... nor the Spherical Helix Dice

The order has been accepted, but is not yet "in production". However that is the same order that had the chain die rejected, so the swirl and the pipe die may still be printed?

crosses fingers

Brian
a.k.a. gumball

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Thu, 23 Sep 2010 19:12:11 GMT
View Forum Message <> Reply to Message

mctrivia wrote on Thu, 23 September 2010 18:41steel minimum diameter is 3mm with 1mm clearance
Depends on the size. Rule of thumb seems to be that 3mm is the minimum accepted wall thickness on any model over 5x5x5cm, but on smaller models they will accept down to 1mm.

I had a couple of my I Ching trigram pendants printed in steel. They have two 1.5mm diameter rods serving as the threading loop, and suspending the actual trigram, and they printed just fine.

Andy

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 23 Sep 2010 19:17:09 GMT
View Forum Message <> Reply to Message

mctrivia wrote on Thu, 23 September 2010 18:41steel minimum diameter is 3mm with 1mm clearance

only if it's over 5cm in height.. that's not the case here nor in any steel pendant/ring you can find on shops

Shapeways has to give a serious thought on the canceling process - i've asked support to

consider the idea that a shop owner will receive a window of 24-72 hours to fix his/her model and re-upload (much like a co-creator process) before canceling the order and issuing a coupon to a confused customer.

If shop owner fixed the issue and re-uploaded the model but there is a cost difference it will be deducted from his markup.

The current cancellation process fails to bring that customer to re-order that design..
A shop owner looses that customer and most likely not only for the failed order..

Subject: Re: Designing dice for dice snobs
Posted by gumball on Thu, 23 Sep 2010 19:24:29 GMT
View Forum Message <> Reply to Message

dizingof wrote on Thu, 23 September 2010 19:17The current cancellation process fails to bring that customer to re-order that design..
A shop owner looses that customer and most likely not only for the failed order..

Not necessarily. I've been trying my hand at designing something and just can't seem to wrap my head around the process. I can totally understand that something might not work right the first time.

The reupload time sounds like a good idea, but if not that then I'd prefer if instead of issuing a coupon, they would just refund to Paypal. Especially since you can only use one coupon per order. I had a situation a while back where I had to choose between using a small refund or a 10% off coupon. Not cool.

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Thu, 23 Sep 2010 19:34:48 GMT
View Forum Message <> Reply to Message

Drawn-Steel Hero wrote on Thu, 23 September 2010 19:12mctrivia wrote on Thu, 23 September 2010 18:41steel minimum diameter is 3mm with 1mm clearance

Depends on the size. Rule of thumb seems to be that 3mm is the minimum accepted wall thickness on any model over 5x5x5cm, but on smaller models they will accept down to 1mm.

I had a couple of my I Ching trigram pendants printed in steel. They have two 1.5mm diameter rods serving as the threading loop, and suspending the actual trigram, and they printed just fine.

Andy

likewise, the Leo Pendant i made for my daughter was total 3mm deep, but some of the segment walls are under 0.5mm

I've seen it written here somewhere that as long as the item is less than 50mm diameter the 1mm wall thickness is fine... what i'm wondering is if those rules take into account 3 dimensions, because a minimum of 27 cubic mm (3x3x3mm) on any part of a model is going to be chunky and very expensive... and is the 50mm diameter in 2 or 3 dimensions?

I understand why my chained die failed (not structurally sound for the top face when printed) and it is probably the same reason for the extruded... i have yet to have a 'falied' notice for my own order, but have had 'Your model has been cancelled' email

& thanks to Youknowwho4eva for the lnk to the paper dice... that's helped me loads

& thumbs up to Gumball... i suppose i'm like a kid here, i read the rules and am trying to find the real limits

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 24 Sep 2010 15:36:52 GMT
View Forum Message <> Reply to Message

I regret to inform that the beautiful Swirl Dice can not be 3D printed in metal

The reason:

"DISTORTS REALLY BAD"

"After being in the furnace for along time, some parts cool down faster than other and that can create distortion and in case with your model, it breaks."

So i had to remove the metal material from the model's page.

Those who ordered it - the orders were canceled you are all welcome to re-order it in a different

material.

Cheers..
Dizingof

Edit: model was thickened and is now printable in metal.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 28 Sep 2010 02:25:02 GMT
View Forum Message <> Reply to Message

Hey Shapers,

My 52nd dice - Aztec D6 Dice

Inspired by the unique architectural skills of the ancient Aztec.

Cheers,
Dizingof

File Attachments
1) Aztec D6 dice.400.jpg, downloaded 1809 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 28 Sep 2010 07:27:25 GMT
View Forum Message <> Reply to Message

And... here is another Ancient dice , this one from Egypt.

Ancient Egyptian D6 Dice

Cheers,
Dizingof

File Attachments

1) Ancient Egyptian D6 dice.407.jpg, downloaded 1845 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 29 Sep 2010 22:35:57 GMT
View Forum Message <> Reply to Message

I have to say dice creativity just bursting out of me , hope it continues

Here are 3 new dies:

Pair of SandStone D6 dice

Using the unique properties of the Sandstone material look&feel:

Caged D6 Ball

Floating D6 Dice

Cheers,
Dizingof

File Attachments

1) Pair of SandStone D6 Dice.417.jpg, downloaded 1696 times

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 01 Oct 2010 06:42:07 GMT
View Forum Message <> Reply to Message

Floating D6 Dice - Very Nice!!

Subject: Re: Designing dice for dice snobs
Posted by Magic on Fri, 01 Oct 2010 07:51:37 GMT
View Forum Message <> Reply to Message

Dizingof, a question: what prevents the figures from exiting from the frame of the die?

[EDIT] Understood. The lateral figures prevent the whole structure from falling...

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 01 Oct 2010 08:16:54 GMT
View Forum Message <> Reply to Message

gumball wrote on Fri, 01 October 2010 06:42Floating D6 Dice - Very Nice!!

Thanks gumball.

Here are some new ones:

Wizard's D4 Dice

Wizard's D8 Dice

Wizard's D10 Dice

Quatro D4 Dice

Trio D3 Dice

Wizard's D12 Dice

Star D8 Dice

Art Deco D4 Dice

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 03 Oct 2010 08:48:39 GMT
View Forum Message <> Reply to Message

they keep coming !

Half moon D8 Dice

Half moon D20 Dice

Half moon D10 dice

TeeVee Dice

Shooting Star D6

Cheers
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 05 Oct 2010 08:20:23 GMT
View Forum Message <> Reply to Message

i like the tv die. I just added 4 new dies myself.

3/4" Puzzle Die. Stores a micro SD Card Inside - Not for sale yet I am getting printed and want to make sure it works first. It is a pretty tiny space to squeze the mechanisms into.

The other 3 are available now and all perfectly weighted.
Floating Face Die
Floating Face Spiked Die
Floating FaceClawed Die

File Attachments
1) 162058_large_v0.jpg, downloaded 1618 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 07 Oct 2010 05:30:09 GMT
View Forum Message <> Reply to Message

Hey all,

72 Dice designs and growing..

I now sliced my markup by 50% ! Enjoy !

And.. here is my latest dice, inspired by the TV series Spartacus:

Genuine roman dice

Cheers,
Dizingof

File Attachments
1) genuine roman dice.544.jpg, downloaded 1603 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 15 Oct 2010 18:13:11 GMT
View Forum Message <> Reply to Message

Hey all

I was asked by a youtube viewer if i could create a template for him to create his own D6 dice by uploading 6 pictures of his own graphics for each side of the dice...
I thought now that is a cool idea... so i made this co-creator:

Customize your very own D6 dice design with anything you have in mind and for any game you invent.

http://www.shapeways.com/model/165727/customized_dice.html?g id=sg28396

ex:

Cheers,
Dizingof

File Attachments

1) Die Face Layout.jpg, downloaded 1498 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 16 Oct 2010 07:20:00 GMT
View Forum Message <> Reply to Message

This one already made a sale before i announced it here...

Synergy D12 Dice

Cheers,
Dizingof

File Attachments

1) synergy D12 dice.576.jpg, downloaded 1534 times

Subject: Re: Designing dice for dice snobs
Posted by Magic on Sat, 16 Oct 2010 09:56:51 GMT
View Forum Message <> Reply to Message

I already did months ago a customizable Sandstone D6 (well two actually) and I just sold none of them
Seems that as far as dice are concerned, metal rules...

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 16 Oct 2010 10:54:41 GMT
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Magic wrote on Sat, 16 October 2010 09:56I already did months ago a customizable Sandstone D6 (well two actually) and I just sold none of them
Seems that as far as dice are concerned, metal rules...

I agree, did you notice someone bookmarked your design? -
makes you wonder what the ratio of bookmark to actual sale is..?

My tip is this: try shuffling the main picture of your bookmarked designs - this way it could get the attention of the customers who bookmarked it next time they log in.

Here is a new beauty i just finished .. Diamond D6 Dice

If anyone has the budget to cast it in Silver message me i'll drop my markup to $0 !

Cheers,
Dizingof

File Attachments

1) Diamnod D6 Dice.588.jpg, downloaded 1366 times

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Sat, 16 Oct 2010 16:20:29 GMT
View Forum Message <> Reply to Message

Your Synergy D12 die is cool... do the opposites add up to 13?

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 16 Oct 2010 19:35:55 GMT
View Forum Message <> Reply to Message

2 new dices

Circles D8 Dice

Infinity D8 dice

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sun, 17 Oct 2010 07:13:08 GMT
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Well I have been having problems with any models with movable parts not working. So while I wait for my most recent attempt at a model with moving parts here is my crazy new die.

Prism Die

8863 faces is a little crazy but it looks pretty cool.

File Attachments

1) prism.jpg, downloaded 1269 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 18 Oct 2010 10:28:40 GMT
View Forum Message <> Reply to Message

Heya

2 new dies.

Razor D6 Dice

Squares - D12 Dice

Cheers
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Mon, 18 Oct 2010 11:12:43 GMT
View Forum Message <> Reply to Message

Just a thought, Dizingof, but wouldn't your Squares die have a high probability of landing between numbers?

Andy

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 18 Oct 2010 11:43:01 GMT
View Forum Message <> Reply to Message

Drawn-Steel Hero wrote on Mon, 18 October 2010 11:12Just a thought, Dizingof, but wouldn't your Squares die have a high probability of landing between numbers?

Andy

If you rotate the dice in the 3D viewer you'll see that the cubes are actually angled toward the location of a number - so gravity will make it land on a number where there is a wider area to land on.

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Mon, 18 Oct 2010 12:39:42 GMT
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Oh, I could see that they were angled; I was just thinking it was a lot of extra flat faces to potentially land on, even if they are a little smaller than the number faces. I wondered if it might be an idea to slightly curve the faces of the squares to help make sure the die 'steers' onto one number or another.

Andy

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Mon, 18 Oct 2010 18:31:35 GMT
View Forum Message <> Reply to Message

My latest die, to compliment the Stepped Die D6

'Step Twin - stepped edge die D6'

As yet, untested in any material (i'll be ordering in stainless soon)

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 19 Oct 2010 04:40:28 GMT
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I have been going through and double checking my math on all my dice. Now all my dice are perfectly waited to have a center of gravity in the center of the die(+-10um)

I have also made a new die. I call it the grid Die:

File Attachments
1) grid.jpg, downloaded 1177 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 19 Oct 2010 16:16:15 GMT
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@mctrivia

may i ask why aren't you rendering your models?

it adds alot to a potential customer .
there are plenty free renderers out there

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 19 Oct 2010 16:21:30 GMT
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the reason because i like the job shapeways does better then anything i have found so far. for some things i have temporarily made a extra model to render a different angle.

i do like your models better though. what do you use?

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 19 Oct 2010 16:37:15 GMT
View Forum Message <> Reply to Message

Drawn-Steel Hero wrote on Mon, 18 October 2010 12:39Oh, I could see that they were angled; I was just thinking it was a lot of extra flat faces to potentially land on, even if they are a little smaller than the number faces. I wondered if it might be an idea to slightly curve the faces of the squares to help make sure the die 'steers' onto one number or another.

Andy

Thats a good idea i will look into it.

@mctrivia

http://www.independentdeveloper.com/archive/2007/10/17/free_ standalone_rendering_soft

---

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 19 Oct 2010 16:40:53 GMT
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@dizingof
sorry to jump in on a q asked of someone else

I'm of the view that even though a render can get near to the finished item delivered to the customer, the render doesn't actually represent the finished product particularly with plain stainless items.

But having said that, you do get very close and your silver coloured Floating D6 (in message #18565) looks almost just like Alumide.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 19 Oct 2010 17:04:11 GMT
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Thanks, if you've noticed, only recently i started to apply textures on my rendered models.... i've tested diferent textures that can match the final 3d printed models looks - sandstone or metal , like this one:
Print-A-Coaster

i'm still perfecting it,

i think it adds a lot to the sale process.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 20 Oct 2010 02:12:25 GMT
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Added another die.

4 Dimensional D48.

http://www.shapeways.com/model/167274/4d_d48.html

As for rendering I have pov-ray. Use it for simulating PCB before manufacturing. Will see if I can figure out how to use to simulate stl files.

File Attachments

1) 4d-d48-1.jpg, downloaded 1119 times

Subject: Re: Designing dice for dice snobs
Posted by clsn on Wed, 20 Oct 2010 02:51:40 GMT
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OK, that's pretty twisted.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 20 Oct 2010 02:55:33 GMT
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i love 4D shapes. I just never thought of making a 4D die before. Thought about making it a D8 that needed to be rolled onto a 3D surface but the shadow just did not look good at all and it was impossible to render the 1 side as it would be inverted.

Subject: Re: Designing dice for dice snobs
Posted by clsn on Wed, 20 Oct 2010 03:11:16 GMT
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mctrivia wrote on Wed, 20 October 2010 02:55i love 4D shapes. I just never thought of making a 4D die before. Thought about making it a D8 that needed to be rolled onto a 3D surface but the shadow just did not look good at all and it was impossible to render the 1 side as it would be inverted.

Heh, I just left a comment to that effect (about landing on a cell) on the product page. Fair enough.

One of these days I'll give myself permission to blow $65 on one of Bathsheba's 120-cell models, my favorite polytope.

Subject: Re: Designing dice for dice snobs

Posted by mctrivia on Wed, 20 Oct 2010 03:20:19 GMT
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that is a beautiful model.$372 in gold plated steal ouch

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 20 Oct 2010 15:55:08 GMT
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It has come to my attention that though both sides of each face can be landed on they are still the same face when looking at in the 4th dimension. so i have made http://www.shapeways.com/model/167487/4d_d24.html to correct this.

File Attachments

1) 4d-d24.jpg, downloaded 1083 times

Subject: Re: Designing dice for dice snobs
Posted by Charmed_Life_Designs on Wed, 20 Oct 2010 16:42:26 GMT
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Woah. That thing just blows my mind. *head explodes*

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Wed, 20 Oct 2010 16:56:53 GMT
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Unfortunatly your 3D shadow will only land showing 6 possible solutions that the actual 4D die could land on. Also I believe every face could land on either side doubling the possibilities in 4D space.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 20 Oct 2010 17:12:37 GMT
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yes the 3d model will only land on 6 sides. if it was printed in 4d though it could land on all 24 sides.

yes it is possible to land on each side of the face which is why i designed a d48 first. however each side of the face is still the same side(envision an edge on 2d die. it can land on 2 or 6 but it is still the same edge between them.

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Wed, 20 Oct 2010 17:27:23 GMT
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I disagree, if say a coin were a 2 dimensional representation of a cylinder, flipped in 3D and 2D space, the inverse face has a different outcome. But much like here, you can not represent both outcomes in a 2D world. You either have heads or tails. In 3D you have a coin with both a heads and a tails.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 20 Oct 2010 18:26:27 GMT
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there is arguments for both which is why i designed both. the d24 is not wrong either way. you can make a d3 by making a standard d6 with opposite faces equal to each other.

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Wed, 20 Oct 2010 18:52:51 GMT
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Just thought it was an interesting discussion . I wonder what the rule would be for numbering a 4D die? Should inverse sides equal to 49? That would be a 2D rule for 3D die, so would 3 sides have to equal a certain number in a forth dimensional world? The sum of x y and the z

---

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 20 Oct 2010 18:59:05 GMT
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for the d48 i numbered as opossing faces of a cube add to 49. i also kept a patern to how i

assigned.

for the d24 faces farthest away from each other add to 25. outer faces where numbered as a d6. intermediate faces were 3 apart on each plane.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 20 Oct 2010 18:59:05 GMT
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ok now i need a Tylenol

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 20 Oct 2010 19:51:11 GMT
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maybe this wont hurt as much

Hollow Die
Loaded Hollow Die

they look identical but they arent

File Attachments

1) loaded.jpg, downloaded 861 times

Subject: Re: Designing dice for dice snobs
Posted by Drawn_Steel_Hero on Thu, 21 Oct 2010 14:47:17 GMT
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My brain has now leaked out of my ears. I hope you're happy.

Andy

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 21 Oct 2010 14:50:56 GMT
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sorry just thought a 4d die was the ultimate geek toy

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Thu, 21 Oct 2010 14:52:33 GMT
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Think that hurts imagine an E8 die!
http://www.zimbio.com/Garrett+Lisi/articles/2/Can+e8+shape+h
elp+find+theory+everything+Garrett

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 21 Oct 2010 15:01:35 GMT
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i don't think i would want to figure out an appropriate numbering scheme for that. may draw it for fun if the parts i need to fix my printer dont come in soon. my robotics projects are falling behind

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 25 Oct 2010 03:00:04 GMT
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Hey Shapers

Here are 3 new dies:

5 Cubes Compound D12 Dice

Floating D12 Dice

And .. Krypton D12 Dice

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by gumball on Mon, 25 Oct 2010 04:06:34 GMT
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Neat designs, but you do realize that the d12 is arguably the least used polyheadron in my experience.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Mon, 25 Oct 2010 13:13:39 GMT
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what are the most common face counts?

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 25 Oct 2010 13:34:18 GMT
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gumball wrote on Mon, 25 October 2010 04:06Neat designs, but you do realize that the d12 is arguably the least used polyheadron in my experience.

Well its the artistic value (Yippee! emails) that counts..
expect some more..

BTW, the Synergy D12 dice
had a slight thin wall issue and is now fixed to be printed in Alumide, metal etc..

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 25 Oct 2010 15:32:35 GMT
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2 more.

Big one >3cm
Cub octahedron D14 Dice

gumball check out THIS D12..

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Mon, 25 Oct 2010 15:54:02 GMT
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your numbering is out... opposites add up to 13 on D12s... also see http://www.dicecollector.com/MY_PAPER.HTM for more 'dice snobbery' details

---

Subject: Re: Designing dice for dice snobs
Posted by gumball on Mon, 25 Oct 2010 15:54:04 GMT
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Very nice. I'm not dissing your artistic endeavors, but I've already got one of your d12 and one by someone else, so with two I feel more than full up on d12s.

The only time in recent memory that I needed to roll a d12 in a game was after I informed and asshat of a gm that I didn't have a d12 yet in my metal collection. After I got them, I haven't needed them since!

Brian
a.k.a gumball

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Mon, 25 Oct 2010 15:57:33 GMT

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neither of those would roll fair. i don't think the second would even fall on a number.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 26 Oct 2010 12:11:09 GMT
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Hey Shapers,

2 new ones.

Interlocking D12 Dice

Dodecahedric Nexorade D12 Dice

Recently i've been using a method i've worked on for some time to give a model an organic, welded, rounded look as you can see in the above dies models - very happy with results !

Also.. with every new dice design i take into consideration the $20+/- mark for an affordable metal print!

Enjoy !
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Tue, 26 Oct 2010 12:31:48 GMT
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your Cub octahedron D14 Dice gives me an idea...

Subject: Re: Designing dice for dice snobs
Posted by clsn on Tue, 26 Oct 2010 14:31:40 GMT
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gumball wrote on Mon, 25 October 2010 15:54
The only time in recent memory that I needed to roll a d12 in a game was after I informed and asshat of a gm that I didn't have a d12 yet in my metal collection. After I got them, I haven't needed them since!

Brian
a.k.a gumball

Yeah, it's kind of a bummer that d12s seem to have the most options to play with from a geometry standpoint. So there are really cool d12s to make... but nobody needs them.

I guess we can always number them as d6s or d4s (or d2s or d3s for that matter. Yay for 12, the smallest abundant number), though that seems like cheating.

I'm probably going to keep coming out with d12s as interesting ones occur, usefulness be damned.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 26 Oct 2010 18:40:42 GMT
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My idea of Steampunk dies:

Steampunk D6 Dice

And this beauty...

Steampunk Hinges D6 Dice

Enjoy !
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 26 Oct 2010 19:09:39 GMT
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your 'hinges' die has got the one opposite the two and 2 sixes opposite each other, but the Steampunk D6 die is very nice

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 26 Oct 2010 19:32:15 GMT

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stop4stuff wrote on Tue, 26 October 2010 19:09your 'hinges' die has got the one opposite the two and 2 sixes opposite each other, but the Steampunk D6 die is very nice

my bad, will be fixed in a sec - thanks !

edit: Fixed !

Subject: Re: Designing dice for dice snobs
Posted by gumball on Tue, 26 Oct 2010 19:43:39 GMT
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I thought it was a cheater die!

If I had the cash right now I'd rush over and buy one!

Brian
a.k.a. gumball

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 26 Oct 2010 20:26:33 GMT
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gumball wrote on Tue, 26 October 2010 19:43I thought it was a cheater die!

If I had the cash right now I'd rush over and buy one!

Brian
a.k.a. gumball

Too late, it's fixed

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 26 Oct 2010 21:07:37 GMT

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one more !

Floating Steampunk D6 dice

Cheers
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 27 Oct 2010 13:11:47 GMT
View Forum Message <> Reply to Message

Hey Shapers,

Talk about "passionate about creating"...

I'm in a dice-design-frenzy to make it to the 100th dice design !
(right now i'm at 94 dies)

Here are 4 new dies -
(btw, I noticed GoogleBot loves my rendering..)

Art Deco Grill D6 Dice

Starfish D12 Dice

Weighted Companion D6 Dice

Ancient Persian D6 Dice

Cheers,
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sun, 31 Oct 2010 00:09:31 GMT
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Gumball want a die with 2 sixs on it here is a chance.

I have ordered one to test but it will probably be 3 weeks before I get it. I am 99% sure this will work and if it doesn't a little sand paper and/or glue is all that is needed to fix it. Because it would be so easy to fix I have put up at a slight discount until I get the test model in. Hope you enjoy.

Want to make your own die. Now you can. Get each side dyed different colours, configure the dye to prefer one side over another or get the shell made up of a different material then the sides. The options are limitless(Well 1,330,255,872 combinations if you keep to standard die numbering and do not cut the alignment tabs off.).

What you need is the frame and 6 faces. Assembled them together by pushing the faces into the frame. For your convenience there is a kit available with all 6 fair and all 6 loaded faces and the frame:
http://www.shapeways.com/model/170915/build_your_own_die_kit .html

If you want to make combinations then use these options
http://www.shapeways.com/model/170772/build_your_own_die.htm l Ã¢â‚¬â€œ Die Frame

http://www.shapeways.com/model/170777/byod_fair_die_faces.ht ml Ã¢â‚¬â€œ Fair Faces
http://www.shapeways.com/model/170902/byod_loaded_die_faces. html Ã¢â‚¬â€œ Loaded Faces

http://www.shapeways.com/model/171060/byod_loaded_side_1.htm l Ã¢â‚¬â€œ Loaded Side 1
http://www.shapeways.com/model/171061/byod_loaded_side_2.htm l Ã¢â‚¬â€œ Loaded Side 2
http://www.shapeways.com/model/171062/byod_loaded_side_3.htm l Ã¢â‚¬â€œ Loaded Side 3

http://www.shapeways.com/model/171063/byod_loaded_side_4.htm l Ã¢â‚¬â€œ Loaded Side 4
http://www.shapeways.com/model/171064/byod_loaded_side_5.htm l Ã¢â‚¬â€œ Loaded Side 5
http://www.shapeways.com/model/171065/byod_loaded_side_6.htm l Ã¢â‚¬â€œ Loaded Side 6

Fair sides are not available individually because you can make a fair die out of the loaded sides by arranging in the order shown on the loaded faces rendering.

For the loaded dies each side can be place in 1 of 4 ways. If you want to make the die role more often to 1 side then another place the heavy side away from the number you want it to roll. Placing the weights opposite each other will cancel there effect out. Placing 4 together will shift the center of gravity 499um towards that side.

File Attachments

1) options.jpg, downloaded 665 times

Subject: Re: Designing dice for dice snobs
Posted by clsn on Sun, 31 Oct 2010 03:48:01 GMT
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@mctrivia: That will be awesome if it works. Be sure to show us pictures when your sample arrives. Great thinking!

Subject: Re: Designing dice for dice snobs
Posted by Magic on Sun, 31 Oct 2010 08:32:17 GMT
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Mctrivia,

That's a nice concept.
But what about simply doing a separate "load" (a cylinder or a cone with a hole) that fits between any fair face and the frame?
Just an idea.

Subject: Re: Designing dice for dice snobs

Posted by mctrivia on Sun, 31 Oct 2010 13:06:59 GMT
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that is a great idea magic.

http://www.shapeways.com/model/171151/byod_steel_weigth.html

only makes sense if made of steel. Will shift center of gravity 3.2mm towards side with the weight.

Markup is only $0.05 until Wednesday in thanks for the great idea.

Subject: Re: Designing dice for dice snobs
Posted by Magic on Sun, 31 Oct 2010 14:13:55 GMT
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You are welcome
Since I am here, let me show you one of my latest projets : the Average Die.
It is similar to some framed dice I've seen here: an octahedron inside a framed cube. But to find the result of your draw, you have to make the average of the four faces of the inner octahedron that are pointing upward.

For instance, 8 + 10 + 1 + 1 = 20, thus the result is 20/4 = 5. The positions of the results (from 1 to 6) match those of a standard D6.
This obliges you to make some mental exercise (interesting for children, for instance), and it makes the suspens even longer to check your result!
I am currently working on a version with letters and versions with different numbers of faces.

File Attachments

1) Avg_persp.jpg, downloaded 637 times

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sun, 31 Oct 2010 14:24:47 GMT
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you have not made the design public

Subject: Re: Designing dice for dice snobs
Posted by Magic on Sun, 31 Oct 2010 14:28:44 GMT

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Oops! Sorry. Fixed.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 31 Oct 2010 14:31:48 GMT
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Magic, i can imagine some very confusing faces when the dice lands ..

"ehhh.. dude is that a 6? "

Subject: Re: Designing dice for dice snobs
Posted by Magic on Sun, 31 Oct 2010 14:36:33 GMT
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(10+8+4+2)/4 is indeed a 6

It is designed with a frame whose wires are 3mm of diameter, so it is suitable for metal, by the way.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 01 Nov 2010 23:58:19 GMT
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Hey everyone,

3 New dies :

Sunken D6 Dice

Tornado D6 Dice

My favorite for this "batch" - Sorcerer's D6 Dice

Enjoy !
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 02 Nov 2010 17:15:13 GMT
View Forum Message <> Reply to Message

Hey Shapers !

My 99th dice design - Resonate D12 Dice

And.... my 100th dice design !

Cross D6 Dice

Cheers
Dizingof

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 02 Nov 2010 21:43:21 GMT
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Well that gave me an interesting idea. Standard cross is made up of quarters. So here is a cross die made that way. And always has been weighted to keep fair. However there is probably pretty good odds you may roll a corner occasionally. Will get 1 up later that will fix that.

Cross Die

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 03 Nov 2010 16:16:14 GMT
View Forum Message <> Reply to Message

Cross D6 with frame

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 04 Nov 2010 01:38:11 GMT
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My first D20. Without compensating the weight the center of gravity would be a fair bit off. But like always I have weighted the die to make fair.

Piped D20

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 04 Nov 2010 01:56:06 GMT
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Cool.

This is my latest D20

Wobble D20 Dice

And another "useless but cool D12"..

Icosidodecahedron D12 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 04 Nov 2010 01:58:41 GMT
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those are pretty cool looking dice. Like the D20. I can figure out how you would get the texture on the outside but how did you get it to be on the inside of the numbers also?

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 04 Nov 2010 02:06:22 GMT
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I'm experimenting with new stuff almost every day and really grow my 3d knowledge and tools.

Just now i uploaded 2 cool rings just by slicing a geometric shape from both sides and applying some re-meshing filters that took me some time to perfect.

Very cool stuff.

So in a nut shell it's all about experimenting and using the right tools such as meshlab's filters tab and others.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 04 Nov 2010 03:32:04 GMT

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Someone must really not like my cross die. only one that someone has given a rating to and they gave a 1. Well any thing religious can be controversial.

Anyways some good news for everyone. All my fair dice are now priced at under $10 in WSF.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Fri, 05 Nov 2010 04:42:14 GMT
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Well I found out my other D20 could not be printed in steel so I designed this one:

D20 Cut Out

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 05 Nov 2010 08:54:29 GMT
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Here is an interesting D6 based on equal size triangles.

Equilateral triangles D6 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 10 Nov 2010 05:40:16 GMT
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Sorry to the person that ordered my piped d20. turns out unprintable. working on fixing it. and only $8 in WSF and under $40 in silver though i don't know how much it would flex in that.

in the mean time here is a really flexible die.
Spring D6

Subject: Re: Designing dice for dice snobs
Posted by Magic on Wed, 10 Nov 2010 06:44:03 GMT
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Very nice! I wanted to try this kind of flexible structure, but with spheres at the vertices (not at the center) and in a bigger network.
I am curious to know how flexible it is...

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 10 Nov 2010 09:52:44 GMT
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Very nice! it will bounce for sure and make a certain "dice mast'a" very happy

You can see why on my Swirl Dice
The 3d print in Blue Strong and Flexible made the dice very bouncy like a spring and very enjoyable to play with according to that customer

And.. 3 new dies added:

Zepplin D8 Dice

8 bit D6 Dice

Cubicles D6 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 11 Nov 2010 20:54:43 GMT
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Anyone notice how this thread got over 7000 views so far?..

3 new dies:

D4 Dice

(see notes on the dice page)

Parachute D16 Dice

Wizard's D5 Dice

(with a hinge to roll on while you hold it with 2 fingers)

Cheers

Subject: Re: Designing dice for dice snobs

Posted by mctrivia on Fri, 12 Nov 2010 21:13:21 GMT
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Just wanted to let you know my build your own die has been tested and works(though shapeways broke off one tab before sending to me so I had to super glue one in)

Still waiting for the steel core piece. Think it will look pretty good with the red faces I have left over from the kit

Video available here

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sun, 14 Nov 2010 06:03:58 GMT
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A colege of mine came up with a cool coin based design that should be available as soon as his shop is open. In the mean time it got me thinking and I have designed this ring on the same principle.

D6 Ring (Size [0-4] [4.25-8] [8.25-12] [12.25-16])

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Fri, 19 Nov 2010 04:01:13 GMT
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Finally got the Build your own die body in steel check it out:

*Full disclosure the steel does need some post production work to make the faces fit. The holes in the center where not very smooth.

Subject: Re: Designing dice for dice snobs
Posted by Sylook on Fri, 19 Nov 2010 07:13:01 GMT
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mctrivia wrote on Sun, 14 November 2010 06:03A colege of mine came up with a cool coin based design that should be available as soon as his shop is open. In the mean time it got me thinking and I have designed this ring on the same principle.

D6 Ring (Size [0-4] [4.25-8] [8.25-12] [12.25-16])

Great idea! An "always have on you" die... smart.

Subject: Re: Designing dice for dice snobs
Posted by Magic on Fri, 19 Nov 2010 07:27:53 GMT
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I already have plans for a ring with numbers on it in another field, but the idea of having a die at your finger is very inspiring... D6 Ring, Ring'n'Roll, rolling a die: all is mixing in my head...

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 19 Nov 2010 11:13:06 GMT
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I redesigned the Wizard's D5 Dice with clear to read numbers and a rendered pic to explain how to roll it

And some new Parachute D6 , Parachute D8 , Parachute D12

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 23 Nov 2010 21:38:25 GMT
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New and unique dice designs that i couldn't find anywhere on the web nor on collectors websites:

Triakis octahedron D24 Dice !

Triakis tetrahedron D12 Dice !

Cheers

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 24 Nov 2010 03:30:53 GMT
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Cool design. How about this one:

PI D6

and best of all it is designed to be a functional properly weighted die.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 24 Nov 2010 06:04:53 GMT
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I am on a PI kick
PI Numbered D6

also available with thicker walls in steel

Subject: Re: Designing dice for dice snobs
Posted by clsn on Wed, 24 Nov 2010 13:19:09 GMT
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Mm, not sure about that pi-shaped die. It isn't just about center of gravity and area. Take a regular square-edged die and file down a few thousandths of an inch along the edges of one face. The areas of the faces and the center of gravity aren't really affected, but the odds sure will be. It's a matter of shape and energy: how much energy does it take to roll off one face and onto another.

Still, looks cool, and could be fair. Might be interesting to check its statistics.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 25 Nov 2010 00:13:23 GMT
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I am going to be getting printed in Alumide soon so I can check for sure that it is fair. but I have tried from a mathematical stand point to asure this.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 30 Nov 2010 07:13:53 GMT
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Well I have now ordered every one of my fair dice. Waiting for them to come in.

In the mean time here is an idea I thought would be cool what do you think?

Personalized Die

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 02 Dec 2010 05:32:55 GMT
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2 more dice made today.

Binary D6

and

Easy Binary D6

Both have been weighted and outer frame is only surface sitting on table so should roll fair. The

only difference is the easy D6 has markings to tell you which digit is the most significant. The other version requires you to use the fact that the faces will always be 1,2,3 going counter clockwise to figure out which is MSB

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sat, 04 Dec 2010 21:54:11 GMT
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Well after doing Binary Dice I had to do hexadecimal Dice so I designed these 2.

Hollow Hex Die

Hex Die

picture is hollow version.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 06 Dec 2010 18:15:01 GMT
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Triakis tetrahedron D6 Dice

Triakis octahedron D12 dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 07 Dec 2010 19:47:17 GMT
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By popular demand .. Here is the Parachute Dice set at a low low price.

Remember, you can order the set in one material only.

If you want individual Parachute dice printed in different materials you can still order them separately at this Dice Collection link.

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Dec 2010 04:11:33 GMT
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New dice

Steinmetz Solid D12 Dice

Diamond icositetrahedron D24 Dice

Octahedron D8 Dice

Quartz Crystal D6 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Dec 2010 14:58:21 GMT
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Cool & Unique new HEX-COLUMNS D8 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by Magic on Wed, 08 Dec 2010 15:00:41 GMT
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Where puzzle design joins die design!
Excellent idea!

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 08 Dec 2010 15:48:16 GMT
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Looks cool but it looks like the odds of landing on a corner is as good as odds of landing on a face. Probably won't make a good die. Would love to know the results after you print.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Dec 2010 16:03:04 GMT
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Thanks

The corners have no "flat surface" to land on.. gravity will land it on a flat number.

Subject: Re: Designing dice for dice snobs
Posted by Magic on Wed, 08 Dec 2010 16:34:28 GMT
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Ah in effect, mctrivia is probably right.
You must consider the "convex hull" of the die, that should more or less look like this:

In green are the faces where you want the die to land.
In red where you do not want it to stop, but unfortunately gravity has always the last word...

File Attachments
1) HEX-COLUMNSD8_convexhull.jpg, downloaded 1060 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Dec 2010 16:44:51 GMT
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Each face has more printing material then the empty corners...

(i'm using a special hollowing method) so gravity will indeed do its job.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 08 Dec 2010 17:20:29 GMT
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Sorry but the weighted ends will rougly cancel out putting the center of gravity in the middle ofthe die. Center of gravity determins where it will fall not positin of mass

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Dec 2010 17:56:25 GMT
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you forget the inertia factor

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 08 Dec 2010 18:10:21 GMT
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No I haven't. Innertia will not make it more likely to fall on the flat. It will make it more likely to roll of the flat on to the convex.

You should know I got 100% on all my college physics classes.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Dec 2010 18:16:28 GMT
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Naaa... i still think it will land of a face.
The faces are heavier then the convex and will pull the dice to land on a face.

I got confirmation on that from a dice collector on some other of my dies with same probabilities.
weight wins.

Cheers

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Wed, 08 Dec 2010 18:56:08 GMT
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Idono, looking at Magics diagram, if the die were to land on that red square where 4 points from each face would contact the surface, the inertia and gravity and any other physical property shouldn't "force" it to go to a number.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 08 Dec 2010 19:02:14 GMT
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idono either
will have to order it and see.

already had in mind to make a pendant out of it as well

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Wed, 08 Dec 2010 19:05:08 GMT
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May I interject?

This thread is in the 'work in progress' section, under the heading of Desiging dice for snobs', so when the works have progressed, and the model has been rolled a few times, perhaps a more informed desicion as to what will happen can be made.

fwiw, my Chained Die (D6) has around a 1 in 40 chance of landing on a edge and about a 1 in 300 chance of landing on a corner even though the faces are 'heavier' and 'bigger'... proof is in the pudding as they say

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 09 Dec 2010 07:04:10 GMT
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Frameless D4

It does not look like a die but it is. The trick is to look straight down on it when it is sitting on the table and you will see this

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 10 Dec 2010 02:28:20 GMT
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Triptop D12 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Fri, 10 Dec 2010 07:18:23 GMT
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It looks good Dizi, but the opposites don't add up to 13.

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 10 Dec 2010 07:45:55 GMT
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SIGH

I am soooooo broke!

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 10 Dec 2010 14:05:34 GMT
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stop4stuff wrote on Fri, 10 December 2010 07:18It looks good Dizi, but the opposites don't add up to 13.

Thanks, i double checked they do..
Each pair adds up on the same horizontal level.

@gumball
feel free to PM me with your wish list of my dies so i can group them for you for a low low price
see for ex. the Parachute Dice set.

Cheers

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Fri, 10 Dec 2010 16:46:10 GMT
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With a D12, the numbers on opposite faces should add up to 13. Make the paper version on Kevin Cook's website & you'll see the correct positioning

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 10 Dec 2010 16:51:07 GMT
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This a unique D12 shape... each 2 opposites numbers do add up to 13.

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Fri, 10 Dec 2010 17:04:02 GMT
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Looking at the 3d model on your item page, align the 12 so it is facing the screen and then rotate by 180 degrees, the 5 is opposite, the 1 is opposite the 8... etc the opposite numbers around the middle 'ring' add up ok though.

Subject: Re: Designing dice for dice snobs
Posted by Youknowwho4eva on Fri, 10 Dec 2010 17:31:17 GMT
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You can also see it in the first image of it on this page. The 10 is opposite the 3 and the 12 opposite the 1, but on the top of the die. They should be opposite faces. If the die lands on 12, the number on the bottom should be 1. Right now it's on an adjacent face.

Subject: Re: Designing dice for dice snobs
Posted by gumball on Fri, 10 Dec 2010 18:47:36 GMT
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dizingof wrote on Fri, 10 December 2010 14:05

@gumball
feel free to PM me with your wish list of my dies so i can group them for you for a low low price
see for ex. the Parachute Dice set.

I'd love to do that, but my fiance and I are terminal financial fuckups. Which is partly why after living together for over 20 years, we still have separate finances and split the household bills. Every now and then, I'll screw up on something and she helps me out. Less frequently she screws up on something and I help her out. When we both screw up on something at the same time...

It's gonna be a Bob Cratchet...

...skinny Charlie Brown xmas tree kinda xmas.

File Attachments

1) medium_charlietree.JPG, downloaded 819 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 10 Dec 2010 19:18:24 GMT
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haha .. i hear ya'

Well alright .. who said Christmas doesn't come twice a year !?

You can have the above die markup free!..
(this one is big in size so with metal it will be a bit expensive then your usual metal dies)

PM me for a private link.

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 11 Dec 2010 01:25:36 GMT
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Using fractals now.

Lipstick Fractal D6 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 11 Dec 2010 04:04:35 GMT
View Forum Message <> Reply to Message

Squashed D6 Dice

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sat, 11 Dec 2010 23:41:03 GMT
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Frameless Set

Get 4 dice in this pack. All made from nothing but the numbers. What do you think? One person called them beautiful. Hope you agree.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 13 Dec 2010 00:22:27 GMT
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The beast...

Beast D12 Dice

Subject: Re: Designing dice for dice snobs
Posted by Flashhawk on Wed, 15 Dec 2010 16:31:27 GMT
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My first dice here... The D6-Cone! Opposite sides add up to 7.
Outside pips are dents, inside ones are half spheres. Inside and outside are oriented to be readable from all directions. Always the topmost result on the outside and the bottommost result on the inside are the same. Look at the "6" on the lying die

Intended to be printed in plastic/alumnide this dice is not hollowed on purpose. It just has a canal through the middle. I f you like it but want it in metal, give me a head up...
Flashhawk

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 16 Dec 2010 15:22:23 GMT
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Some new D6 dice - created with fractal math.

Tovestorus D6 Dice

Tovestorus Cube D6 Dice

Curve Ball D6 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by Flashhawk on Fri, 17 Dec 2010 09:18:35 GMT
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Hy guys!
Due to some demand the hollowed D6 cone has been made printable

and i uploaded a new dice, the Diamond D6 which is printable in metal, and then closeable!!

Keep on rollin'
Flashhawk

Subject: Re: Designing dice for dice snobs
Posted by Flashhawk on Sat, 18 Dec 2010 17:58:44 GMT
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Ok here is something a little different. This is a so called dice card. It can emulate every dice pair between 2D0 and 2D10 with the included coins. Just remove any unneeded coins into the build-in compartment, close the cover and rattle yourself a random number I would recommend a smooth surface material for this but i left everything but Grey robust and sandstone orderable.
Flashhawk

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 22 Dec 2010 13:28:18 GMT
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Interesting Idea.

I have been busy with work, my dice testing service, testing my dice, and getting my 3d printer back up and running. Long story short have not designed to many dice in that last while but here is a cool one I designed that should be printable at home in its original size.

Super Die

For those of you with 3D printers of your own you can get the STL files HERE.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 22 Dec 2010 14:10:17 GMT
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@mctrivia

Can you show us some hi-res pics of your 3d printing at home ? - very curious how the die turns out !

Did/can you mod your printer to do even thinner hi-res layers ? - i haven't seen any ABS extruded 3d printed model that gets a "wow" out of me yet..

I still think it's a cool $1k toy but nothing more..

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 22 Dec 2010 15:45:31 GMT
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I got for making robots. Works great but I don't care about looks so much. Res is no were near that of shapeways

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 26 Dec 2010 03:12:49 GMT
View Forum Message <> Reply to Message

5 tetrahedra compound - D12 Dice

Happy Holidays all !

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 27 Dec 2010 19:14:37 GMT
View Forum Message <> Reply to Message

The perfect D6 Dice.

Prism D6 Dice

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 29 Dec 2010 12:49:23 GMT
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This one has opposite sides adding to 14 since there is no 1. Designed for a game I made up called Crazy Randoms

Piped Card Die

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 03 Jan 2011 22:13:54 GMT
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2 NEW dies to start off 2011 !

Boxballoid D14 Dice

Tubes D6 Dice

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 08 Jan 2011 15:13:17 GMT
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More new dies.

Spikes D6 Dice

SG1 D6 Dice

Cheers

Subject: Re: Designing dice for dice snobs
Posted by Kaetemi on Wed, 12 Jan 2011 15:58:14 GMT
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Hey, all

Was wondering if something like this exists already...

http://www.shapeways.com/model/199775/comma_die.html

It's basically a die that allows you to roll random numbers with a comma like 5646161,13279. Very useful for math exams... =)
Faces are numbered 0 to 9, a comma and a minus sign.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 13 Apr 2011 19:32:39 GMT
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Hey all

Dizingof's Dice Collection are back !

Enjoy !

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 13 Apr 2011 19:46:50 GMT
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been a while since i have pushed hard on making dice. i have started up again now and want to show you my newest die.

http://www.shapeways.com/model/240530/

what do you think. perfectly balanced and sides numbered properly.

Subject: Re: Designing dice for dice snobs
Posted by ana_xyz on Fri, 15 Apr 2011 14:48:52 GMT
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@mctrivia so the side with the circle is 1, the oval is 2, and so on....?

clever indeed

Subject: Re: Designing dice for dice snobs
Posted by WillLaPuerta on Fri, 15 Apr 2011 15:12:03 GMT
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You know, when I made one like that I was afraid I may have missed a better solution for the 2 side, but I guess that really is the only 2-sided 2D geometrical shape.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Fri, 15 Apr 2011 22:36:49 GMT
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the simplest 2 sided shape is 2 arcs meeting at 2 points. giving the football shape. An oval would still only be 1 sided.

Subject: Re: Designing dice for dice snobs
Posted by Magic on Fri, 15 Apr 2011 22:42:56 GMT
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Personally, even if it is not a closed shape, I like the cross (x) for representing number 2: circle, cross, triangle and square for 1,2 ,3 4 (remember you some PlayStation buttons symbols?).

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Fri, 15 Apr 2011 23:42:16 GMT

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x has 12 sides. well at least a printable one does.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 17 Apr 2011 02:24:21 GMT
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My latest

Steampunk D12 Dice by Dizingof

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 17 Apr 2011 21:21:38 GMT
View Forum Message <> Reply to Message

Steampunk D8 Dice by Dizingof

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 21 Apr 2011 04:29:47 GMT
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Ok that D10 looks pretty cool. I gave myself a chalenge to see how many I could make in 2 weeks with all being unique. Got to 191.

The entire pack is a little costly at $1499.99 in white or $1699.99 in colour but it is a lot of dice. And all are properly numbered and weighted.

http://www.shapeways.com/model/244956/grid_die_all_pack_1_of _13.html
http://www.shapeways.com/model/244960/grid_die_all_pack_2_of _13.html
http://www.shapeways.com/model/244968/grid_die_all_pack_3_of _13.html
http://www.shapeways.com/model/244992/grid_die_all_pack_4_of _13.html
http://www.shapeways.com/model/245006/grid_die_all_pack_5_of _13.html
http://www.shapeways.com/model/245011/grid_die_all_pack_6_of _13.html
http://www.shapeways.com/model/245023/grid_die_all_pack_7_of _13.html
http://www.shapeways.com/model/245025/grid_die_all_pack_8_of _13.html
http://www.shapeways.com/model/245033/grid_die_all_pack_9_of _13.html
http://www.shapeways.com/model/245035/grid_die_all_pack_10_o f_13.html
http://www.shapeways.com/model/245054/grid_die_all_pack_11_o f_13.html
http://www.shapeways.com/model/245059/grid_die_all_pack_12_o f_13.html
http://www.shapeways.com/model/245056/grid_die_all_pack_13_o f_13.html

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 21 Apr 2011 05:37:24 GMT
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@ mctrivia very impressive work

Subject: Re: Designing dice for dice snobs

Posted by dizingof on Fri, 22 Apr 2011 05:24:44 GMT
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3 new ones:

Rhombic Dodecahedron D12

2 Sides Rhombic D12

Triangular Columns D14 by Dizingof

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 22 Apr 2011 22:20:59 GMT
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64 Octohedron D6 by Dizingof

44 Cuboctohedron D8 by Dizingof

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 23 Apr 2011 14:58:22 GMT
View Forum Message <> Reply to Message

Steampunk D10 by Dizingof (pitching to my buddy GoogleBot)

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 24 Apr 2011 16:16:15 GMT
View Forum Message <> Reply to Message

Honeycomb D12

Cheers

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 24 Apr 2011 20:04:01 GMT
View Forum Message <> Reply to Message

Steampunk D4 By Dizingof

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Sun, 24 Apr 2011 21:56:17 GMT
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You Steamunk D4 would have a whole load more steampunk credibility if the gears were functional e.g. center gear stationary (sun gear) and planet gears on a carrier, the carrier of each face's planet gears geared together

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 24 Apr 2011 22:24:26 GMT
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Functionality of the gears isn't requested. only style and accuracy.

Besides, 'moving parts' are guaranteed to result order cancellation by shapeways reviewer with Stainless steel..

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 26 Apr 2011 03:34:10 GMT
View Forum Message <> Reply to Message

Witch King D6 By Dizingof

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 26 Apr 2011 05:54:41 GMT
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dizingof wrote on Sun, 24 April 2011 22:24Functionality of the gears isn't requested. only style and accuracy.

Besides, 'moving parts' are guaranteed to result order cancellation by shapeways reviewer with Stainless steel..

Oh, ok... do you mind if I do a version with moving parts?

Subject: Re: Designing dice for dice snobs
Posted by Magic on Tue, 26 Apr 2011 07:15:40 GMT
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Actually, as soon as Frosted Detail was announced, I began to design a die with moving parts for this material (the moving parts being gears). Mine is a D6, but another one that would be easier to do is a D8 (4 faces at a vertex so 4 gears: they can actually turn whereas 3 gears at a vertex like a D4, a D6 or D12 won't turn, neither 5 gears of a D20).

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 26 Apr 2011 07:36:44 GMT
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Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 26 Apr 2011 07:53:18 GMT
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@Magic, I was thinking more or less as I described earlier, and with the D4 as in dizingof's design there is easily scope for one larger crown (bevel) gear in the center connected to one face with the other 3 faces geared onto that with smaller crown gears. (i hope that makes as much sense to you as it does to me)

Subject: Re: Designing dice for dice snobs
Posted by Magic on Tue, 26 Apr 2011 08:22:13 GMT
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You mean like in the figure 1 on my drawing?

Yes this is possible, but you have to allow the 3 satellites to have their axes moving around the centered gear.
What I meant is that instead figure 2 is impossible. It can be seen in the lower figure: if the left and right gear are turning one clockwise and the other anticlockwise, there is no direction in which the top gear can turn to respect both those rotations at the same time.

File Attachments
1) engrenages.jpg, downloaded 1126 times

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 26 Apr 2011 08:56:25 GMT
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Yes as in #1, with the sattelite/planet gears on a carrier that has an central axle to (3 small + 1 large) bevel gears that mesh in the center of the die.

Subject: Re: Designing dice for dice snobs
Posted by Magic on Tue, 26 Apr 2011 09:16:01 GMT
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OK, yes, it is doable. You will have to add a satellites holder (for instance a Y shape) to make the 3 small gears axles be able to turn around the central axle.
As Dizingof said, I don't think this will be allowed in metal (no more moving parts, and strict wall thickness rules, as far as I know), but perhaps Frosted Detail will do it. At least that's what I will try for mine.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 27 Apr 2011 03:53:00 GMT
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Wire D4 by Dizingof

Wire D6 by Dizingof

to be continued

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 27 Apr 2011 19:54:09 GMT
View Forum Message <> Reply to Message

Wire Die8 by Dizingof

Wire Die12 by Dizingof

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 29 Apr 2011 16:52:10 GMT
View Forum Message <> Reply to Message

Organic Die20

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 29 Apr 2011 20:02:12 GMT
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Ok... finished the "Wire Dice" set.

Wire Die20

I will soon bundle the whole set into one page - with a discount.

Enjoy

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sat, 30 Apr 2011 18:26:54 GMT
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As promised, Wire Dice set

Steampunk Dice set

And a new addition to the collection -

Organic Die4

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 02 May 2011 16:52:02 GMT
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The Organic Dice set is finished

Organic Die6

Organic Die8

Organic Die12

Now, a new Solid set:

Solid D6

Solid D12

Solid D20

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 03 May 2011 03:08:33 GMT
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The Organic Dice set

The Solid Dice set will follow soon.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 03 May 2011 20:13:58 GMT
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Honeycomb Die6

Honeycomb Die8

Cheers

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 05 May 2011 19:42:01 GMT
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Planetary Die

Gears should work.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 05 May 2011 20:27:12 GMT
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A new set in the works.

Factory Die6

Factory Die4

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 17 May 2011 12:56:49 GMT
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Crystal D6

need to make a better render. die is translucent with internal white pips

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 17 May 2011 14:53:13 GMT
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Make sure the pips are connected to the outside world with very thin tubes

---

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 17 May 2011 14:59:38 GMT
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i have 0.1mm tubes to inner hollow chamber. uploaded a simulation

---

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 17 May 2011 17:05:07 GMT
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Crystal Sphere Die

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 17 May 2011 18:16:32 GMT
View Forum Message <> Reply to Message

Crystal Number Die

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Tue, 17 May 2011 18:40:50 GMT
View Forum Message <> Reply to Message

Man you're craking on with them mctrivia!

Here's my FUD only contribution.

Extruded Pipe D6 within

Subject: Re: Designing dice for dice snobs
Posted by gumball on Tue, 17 May 2011 18:47:44 GMT
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Extruded Pipe D6 within

NICE!

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 17 May 2011 19:32:40 GMT
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definitely ordering 1 of those with my next order. i will put it under my microscope and take some pics when i get it.

Subject: Re: Designing dice for dice snobs
Posted by stop4stuff on Wed, 18 May 2011 17:33:34 GMT
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mctrivia wrote on Tue, 17 May 2011 19:32definitely ordering 1 of those with my next order. i will put it under my microscope and take some pics when i get it.

Thanks! You shouldn't need your microscope, the white filled hollow space piping is 0.35mm diameter, overall size is 10 x 10 x 10 mm.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 18 May 2011 18:08:26 GMT
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yah but bet it will look cool under it. working on a instant co-create for ceramic so may be a few days before i order

---

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 25 May 2011 03:04:55 GMT
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Witch king Die12

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 03 Jun 2011 22:16:41 GMT
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A new Dice Set

Spikes Dice Set

Spikes Die 4

Spikes Die 6

Spikes Die 8

Spikes Die 12

Spikes Die 20

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 07 Jun 2011 18:08:06 GMT
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What do you think?

Loto Dice(6x49) - Opposite sides add to 50

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 09 Jun 2011 09:54:08 GMT
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few updates

Truncated Sphere Die6

Stellated Die4

Stellated Die6

Stellated Die8

Stellated Die12

Stellated Die20

Stellated Dice Set

Arabesque Dice set

Fractal Die8

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 09 Jun 2011 18:10:03 GMT
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Here is a new dice with 2 different versions. It is a large hollow die that threads together so you can place another die inside it. The inner die will have to be 0.5" or smaller to effectively roll around inside. First version has standard numbering the second number is 0 to 5 to allow for a D60 if you place a D10 inside.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 10 Jun 2011 17:01:36 GMT
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Linked Stars Die12

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Tue, 14 Jun 2011 02:25:04 GMT
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Dual D6: Same odds as rolling 2 D6s.

Also made dual D2 through D5 all available in most materials on my shop
http://shapeways.com/shops/propmodule

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 15 Jun 2011 08:19:36 GMT
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New dice !

Cones Die12

Sierpinski Dice Set !

Sierpinski Die4

Sierpinski Die6

Sierpinski Die8

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 15 Jun 2011 08:21:05 GMT
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Sierpinski Die12

Sierpinski Die20

And... The Sierpinski Dice Set

Enjoy !

Subject: Re: Designing dice for dice snobs
Posted by WillLaPuerta on Wed, 15 Jun 2011 14:07:09 GMT
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Great minds, eh?

I do like the way you kept with the triangles for all of them, though. Its much more consistent than how I did mine.

Why does the D12 have a different font from the others?

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 15 Jun 2011 14:28:15 GMT
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great minds..

I actually was about to post a new thread titled "Dipping the Sierpinski" ... describing a process i use to virtually dip a model in a virtual goo - that's why the set consistent

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 19 Jun 2011 13:34:16 GMT
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Deco Die 6

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 22 Jun 2011 01:52:23 GMT
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D30 Points

Sorry not in metal but polished WS looks pretty good.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 22 Jun 2011 17:25:08 GMT
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For those that like metal here it is. Won't rattle around like the non-fused version but will look just as cool.

D30 Points Fused

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 23 Jun 2011 14:22:33 GMT
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D20 Points

Subject: Re: Designing dice for dice snobs
Posted by bitstoatoms on Fri, 24 Jun 2011 03:05:19 GMT
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Hey all,

I did a little dice experiment myself, perhaps not for dice snobs but for the micro second attention span of the Tumblr mind.

The dice basically has the 6 most used icons on Tumblr and I posted it with the premise that you can let the dice decide what to do on Tumblr.

Turns out it is quite popular and has been reblogged, liked, commented on over a thousand times in a few days.

I wonder what other online groups would get into similar concepts. Check out Tumblr, sign up and show your own designs, you may be surprised what becomes really popular, but beware, it can be VERY addictive..

http://shapeways.tumblr.com/post/6743747353/so-you-have-been
-staring-at-your-tumblr-stream-for

File Attachments

1) Shapeways_3D_Printed_Tumblr_Dice.jpg, downloaded 590 times

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Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 24 Jun 2011 10:22:28 GMT
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Nice !

Positioning the dice inside the wood crack creates a dynamic feel to the picture ! great photo !

Any sales from tumblr??

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sat, 25 Jun 2011 06:15:52 GMT

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Death Die

A D6 that looks like a really nasty spiky ball.

Subject: Re: Designing dice for dice snobs
Posted by aegidian on Tue, 28 Jun 2011 19:35:36 GMT
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Ossuary d12

Replacing my slightly messy 'Skull and Bones' dice with a revised line of cleaner, cheaper designs.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 28 Jun 2011 20:17:21 GMT
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Love the theme !

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Wed, 29 Jun 2011 01:14:47 GMT
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Nice design.

What would you call a 36 sided shape. all faces pentagonal. As a die it always falls face up.

Subject: Re: Designing dice for dice snobs
Posted by Magic on Wed, 29 Jun 2011 05:48:10 GMT
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A pentagonal hexatriacontahedron?

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Fri, 01 Jul 2011 05:42:51 GMT
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thanks for the naming help.

here is an interesting one based on this shape.

Death Ball 2

Very spikey. I think I will get one in Bronze.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 05 Jul 2011 16:06:09 GMT
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Crombie Die6

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 05 Jul 2011 21:07:02 GMT
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Alien Die12

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 05 Jul 2011 22:08:19 GMT
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BioShock Die6

Subject: Re: Designing dice for dice snobs
Posted by gumball on Tue, 05 Jul 2011 23:22:39 GMT
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I really like the Bioshock die!

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 05 Jul 2011 23:45:22 GMT
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gumball wrote on Tue, 05 July 2011 23:22I really like the Bioshock die!

Great. Thanks

The wall thickness is 1.5mm so its good for metal printing.

Stay tuned for the next one .. coming up in few minutes..
I think i've started an Alien theme ..

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 06 Jul 2011 01:00:49 GMT
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A very interesting yet fair D6 with exact surfaces area ...
but hey it's Alien..

Alien Die6

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 06 Jul 2011 01:02:37 GMT
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File Attachments
1) alien.jpg, downloaded 400 times

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 06 Jul 2011 17:51:31 GMT
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Alien Die30

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 06 Jul 2011 18:34:56 GMT
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That's a first... a sale minutes after i published the Alien30...
Someone must be drooling..

Gumball is that you?

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Wed, 06 Jul 2011 21:06:45 GMT
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Alien Die20

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 07 Jul 2011 01:44:22 GMT
View Forum Message <> Reply to Message

Honeycomb Die20

Subject: Re: Designing dice for dice snobs
Posted by gumball on Thu, 07 Jul 2011 06:04:13 GMT
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dizingof wrote on Wed, 06 July 2011 18:34Gumball is that you?

I wish. I got two dice in the mail last week I need to post pictures of, and two on order. That's probably it for a while for me. Gotta save up for World Con!

Gumball

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 07 Jul 2011 06:46:52 GMT
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Dizingof I think you can tag your Honeycomb Die20 as Obfuscation as the numbers can only be clearly read when looking head on.

Oh and have you caught up with me on Dice designs? I notice you say you have the most in your shop. Thought I was still 100 up on you.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 07 Jul 2011 14:23:37 GMT
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I did not mean that as an insult. Several of us have designed dice which we call Obusfication because they are purposefully designed to have a trick to read.

As for my price. Yes I may set my markup really low to try to keep the cost down below $10 does

not make it any less art.

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 07 Jul 2011 19:45:00 GMT
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A new set..

Stacked Die4

Stacked Die6

Stacked Die8

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 07 Jul 2011 19:46:51 GMT
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Stacked Die10

Stacked Die12

Stacked Die20

Subject: Re: Designing dice for dice snobs
Posted by aegidian on Thu, 07 Jul 2011 21:03:11 GMT
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Aren't those a bit inclined to lie on their 'corners'?

Subject: Re: Designing dice for dice snobs
Posted by cronos3k on Fri, 08 Jul 2011 22:12:45 GMT
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D 12 dcie modeled with ClayTools

3D Rendering picture in Gold of teh D12

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 10 Jul 2011 13:20:46 GMT
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Sharp Gem Die12

Organic (rounded) Gem Die12

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 14 Jul 2011 08:23:48 GMT
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I designed 4 dice. 2 each with side counts of 22, and 28. Like th other 500 shapes I have computed and am slowly working on(all even numbers from 2 to 1000) they always land with a face up. the truncated sphere version is a little more fair and is the one you should pick if fairness is really important.

Solid D22

Truncated D22

Solid D28

Truncated D28

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Thu, 14 Jul 2011 18:31:27 GMT
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This d6 has equal centered weights

Centered Die6

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Fri, 15 Jul 2011 03:14:17 GMT
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A new set/theme - Mines

Mine Die4

Mine Die6

Mine Die8

Mine Die10

Mine Die12

Mine Die20

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Sun, 17 Jul 2011 11:37:46 GMT
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By request

Parachute Die18

Parachute Die22

Parachute Die28

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 18 Jul 2011 05:59:40 GMT
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The Wire die10 was missing from the "Wire Dice Set" , so now its complete..

Wire Die 10

Wire Dice set

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Mon, 18 Jul 2011 22:01:02 GMT
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Dice collectors & Shapeways fans!

It's SUMMER SALE! on all designs & materials!

Enjoy !

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Thu, 21 Jul 2011 10:33:46 GMT
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Finally finished it. 2 new D144 s.

Gross Die

Gross Truncated Sphere

Also started a new blog. http://4ddice.blogspot.com

I think this is the most sides of a single piece die so far on shapeways.

Subject: Re: Designing dice for dice snobs
Posted by mctrivia on Sat, 23 Jul 2011 21:42:56 GMT
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D100 Bell Pack

Rolling these 3 instead of a D100 or 2 D10s gives interesting results:

With these 3 I am now up to 313 dice designs(yes I removed duplicates in group packs that are also available separately).

Subject: Re: Designing dice for dice snobs
Posted by dizingof on Tue, 08 Nov 2011 15:46:52 GMT
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I'm in the process of uploading my 300+ Dice designs for sale as STL files at ponoko.com - enjoy !

http://www.ponoko.com/showroom/Dizingof