Popularizing Mathematics with YouTube

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Tipping Point Math





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The Math of "The 12 Days Of Christmas"

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In the famous song "The Twelve Days of Christmas", how many gifts were given in total? See how Pascal's Triangle can be used to answer this question without mindless counting.

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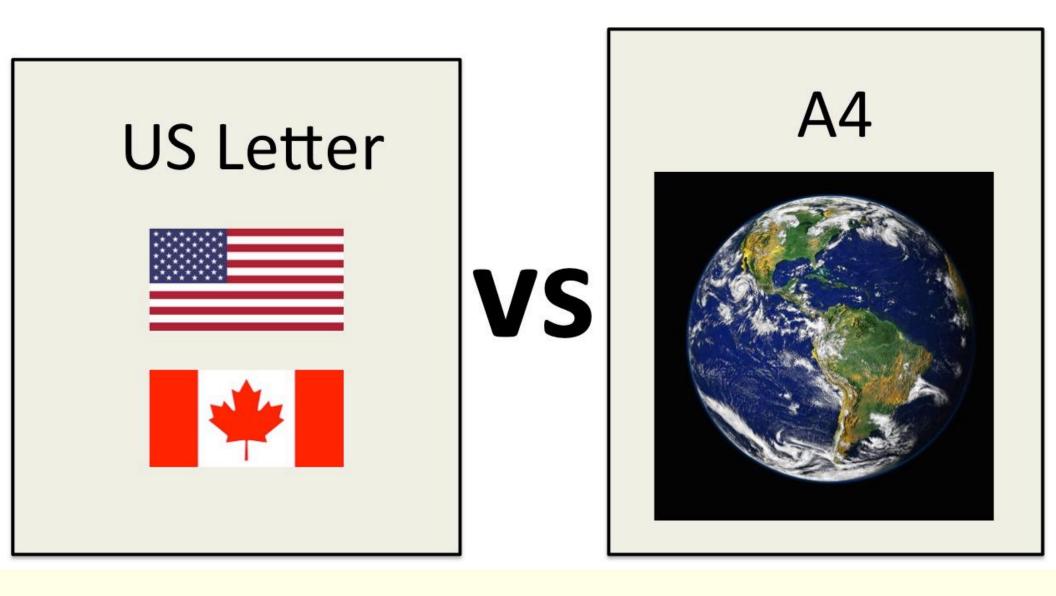


What's Better Than Rock Paper Scissors



Guiding principles for each video

- Communicate clear mathematical results
- Avoid mathematical jargon or technical detail where possible
- Engaging visuals
- Appropriate use of music
- Humor!



What's the Best Paper Size?

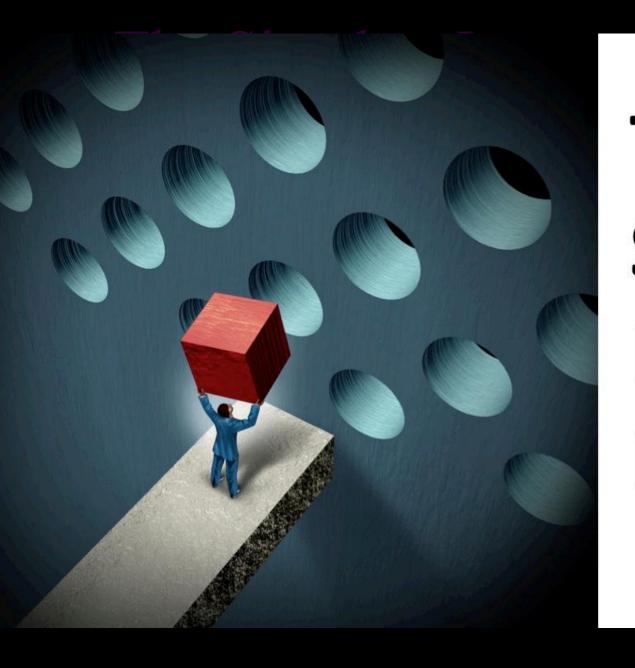
On February 8, 2015 ...

250,000 views



- Many comments were of two extremes:
- 1) "Why can't stupid Americans adopt the metric system?"
- 2) "There are two types of countries: those that use metric and those that put people on the moon."

Communicating nontrivial math to a general audience



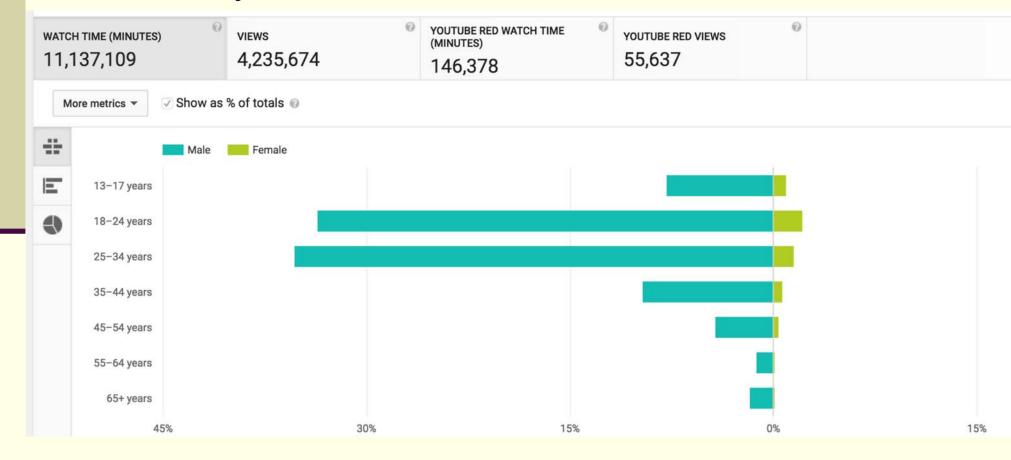
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May, 2014

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- Communicating nontrivial math to a general audience
- Diversify the audience

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- Diversify the audience



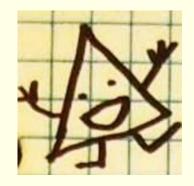
- Communicating nontrivial math to a general audience
- Diversify the audience
- Develop more compelling visuals

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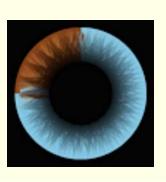
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Thanks!



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