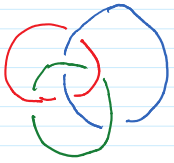
December 4, 2014 riddles session

December-04-14 8:35 AM

Riddle Along. 3 logicians walk into a bar.
Barman: Do you all want beer?
Logician 1: I don't know
Logician 2: I don't know
Logician 3: I know.
Q: What did she know? How many wanted beer?

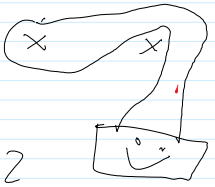
Riddle Along. $1 = \sqrt{1} = \sqrt{(-1)\cdot(-1)} = \sqrt{-1}\cdot\sqrt{-1} = i \cdot i = -1$

Riddle Along.

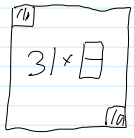


Can you draw 4 linked loops, so that if you drop any one of them, the remaining 3 are not linked?

Riddle Along. Can you hang a picture on two nails, so that if you remove any one of them, the picture falls? The same with 3?



Riddle Along



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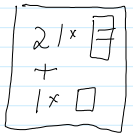

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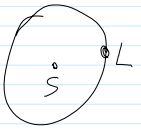
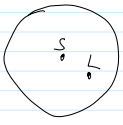
Riddle Along



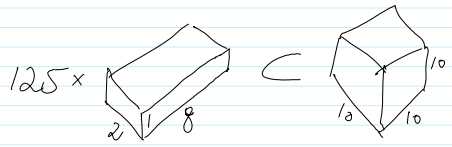
$V_L = 4V_S$

Riddle Along

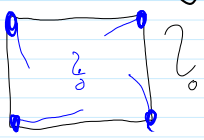


$V_S = V_L$

Riddle Along



Riddle Along



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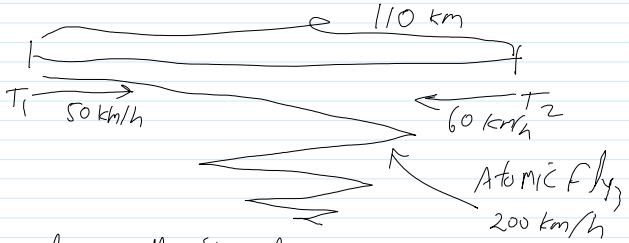
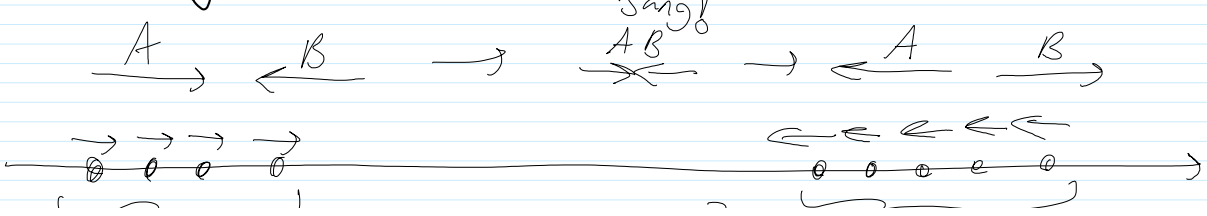
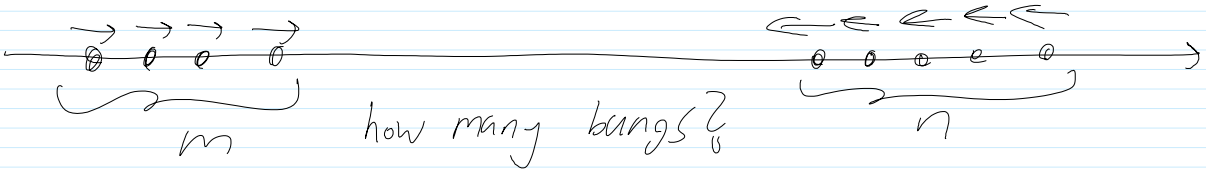


How long will it fly befor crashing?

Riddle Along A mirror swaps left and right, but not up and down. How on Earth does the mirror know??

Riddle Along





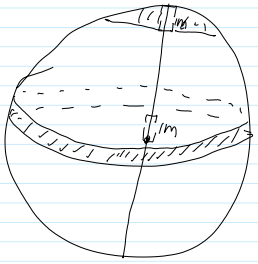
Riddle Along 1 2 3 4 5 6 7 8 9

Two players alternate drawing cards from the above deck. The first player to have 3 cards that add up to 15, wins. Would you like to be the first to move or the second?

(141102) Assaf's riddle: ~~k~~ 5 kids share a loot of ~~n~~ 50 in-wrapping halloween candies. The first kid proposes a way to split the loot; if it is not accepted by a strict majority (her included), she's left out and the second proposes a split, etc. How is the loot split?

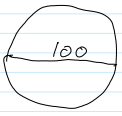
Riddle along: A game: Player A writes the numbers 1-18 on the faces of three blank dice, to her liking. Player B takes one of the 3 dice. Player B takes one of the remaining two, and throws away the third. Player A and B then play 1,000 rounds of "dice war" with the dice they hold. Whom would you rather be, player A or player B?

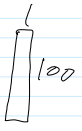
Riddle.



which has more area, the band or the cap?

ouch! I should have asked: a spherical loaf of bread goes into a bread slicer...

Riddle. Can you cover 

with 99× 

Riddle Along. 1. Can you find uncountably many nearly-disjoint $[\forall \alpha,\beta\ |A_\alpha \cap A_\beta| < \infty]$ subsets of $\mathbb{N}$?

2. Can you find an uncountable chain $[\forall \alpha,\beta, (A_\alpha \subset A_\beta) \vee (A_\beta \subset A_\alpha)]$ of subsets of $\mathbb{N}$?