

Salutation to your solution!

- Sudhakar Attili.

1. Identical lead weights are dropped simultaneously into each of five containers those are filled with (A) Water at 20⁰F (B) Alcohol at 30⁰F (C) Oil at 5⁰C (D) Milk at 50⁰F (E) Honey at 15⁰C. In which container will the weight take the longest time to reach the bottom?
2. A shape (A right angled triangle) is folded as shown in figure A below. What is ratio of the blue colored area to the actual shape?

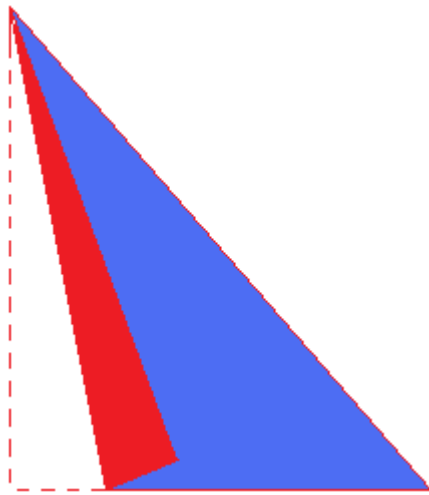


Figure A

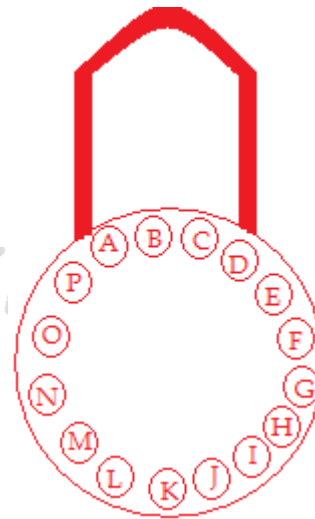


Figure B

3. A dancer stands 2 meters from a dresser mirror. She holds a hand mirror half a meter behind her head to check a flower in her hair. How far behind the dresser mirror is the image of the flower?
4. The lock shown in Figure B is opened by selecting the correct non-repeating three letter combination. If a bank robber has one guess at opening the lock, what are the chances that he will guess the correct combination?

You can send your answers either by post or by e-mail to the below address on or before June 15th.

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