

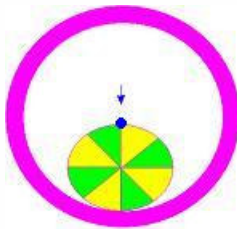
Salutation to your solution!

- Sudhakar Attali.

1. Seven coins are arranged in a circular order facing heads up as shown in adjacent figure. In an attempt changing only 5 coins from heads to tails or tails to heads, how many attempts are needed to make all coins facing tails up?



2. As shown in picture below, a small circular wheel is rotating in a bigger circle of diameter twice as big as circular wheel. Can



you trace the path of the point marked on the circumference of the circular wheel (shown by an arrow in blue colour)?

3. If a sphere is given four straight cuts from one end to the other, can you find out the maximum number of pieces you can have?

4. An airplane started at north pole and traveled 60 miles to south and then traveled 80 miles to east. Now what is the distance of current location from the starting point?

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

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Do you know what is "Ream"?

Ream is quantity of paper (approximately 500 sheets of paper).