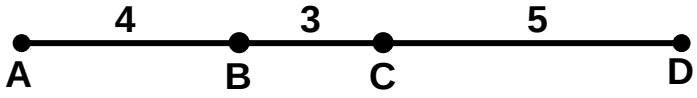
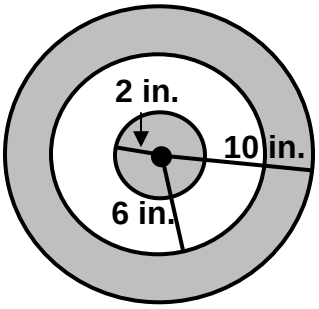
Name_____ **Date**_____**Per.**_____

GEOMETRIC PROBABILITY

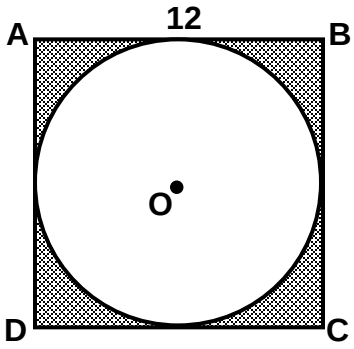
_____ 1. A point is chosen randomly on $\overline{AD}$. Find the probability that the point is on $\overline{AC}$ and the probability that the point is not on $\overline{AB}$.



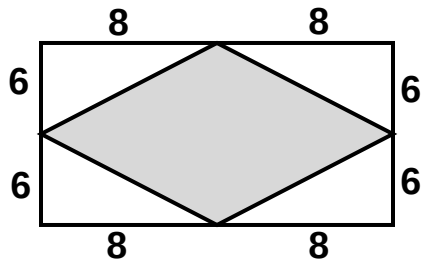
_____ 2. Darts are thrown at a circular dartboard. If a dart hits the board, what is the probability that the dart lands in the bulls-eye?



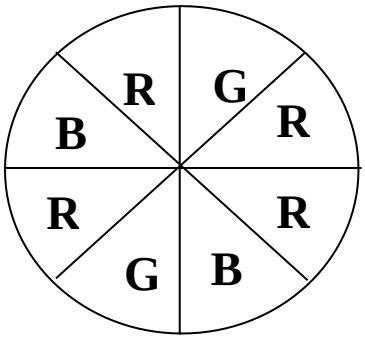
_____ 3. Find the probability that a point chosen at random lies in the shaded region. Round to the nearest hundredth, if necessary.



_____ 4. Find the probability that a point chosen at random lies in the shaded region. Round to the nearest hundredth, if necessary.



_____ 5. Suppose there is a spinner with sections labeled G, R, B for green, red, and blue respectively. What is the probability that the spinner with land on blue?



_____ 6. You have a box of candy hearts. There are 5 pink, 4 green, 10 purple, 4 orange, 3 yellow and 2 whites in the box. What is the probability of choosing a green heart to eat? What is the probability of choosing a white heart to eat?