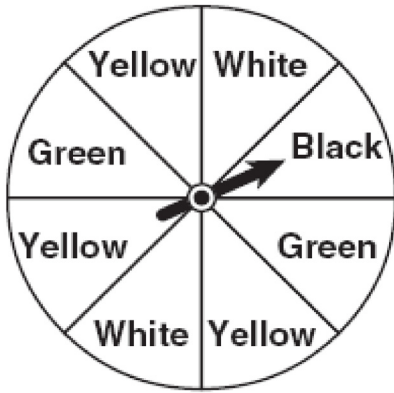


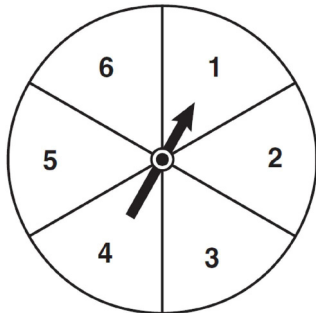
A.S.22: Geometric Probability: Determine if some or all events are equally likely, one event is more likely than another, an event is certain to happen or not to happen

- 1 A spinner is divided into eight equal regions as shown in the diagram below.



Which event is most likely to occur in one spin?

- 1) The arrow will land in a green or white area.
 - 2) The arrow will land in a green or black area.
 - 3) The arrow will land in a yellow or black area.
 - 4) The arrow will land in a yellow or green area.
- 2 The spinner shown in the diagram below is divided into six equal sections.



Which outcome is *least* likely to occur on a single spin?

- 1) an odd number
- 2) a prime number
- 3) a perfect square
- 4) a number divisible by 2

A.S.22: Geometric Probability: Determine if some or all events are equally likely, one event is more likely than another, an event is certain to happen or not to happen

Answer Section

1 ANS: 4

$$P(G \text{ or } W) = \frac{4}{8}, P(G \text{ or } B) = \frac{3}{8}, P(Y \text{ or } B) = \frac{4}{8}, P(Y \text{ or } G) = \frac{5}{8}$$

REF: 060802ia

2 ANS: 3

$$P(\text{odd}) = \frac{3}{6}, P(\text{prime}) = \frac{3}{6}, P(\text{perfect square}) = \frac{2}{6}, P(\text{even}) = \frac{3}{6}$$

REF: 061104ia