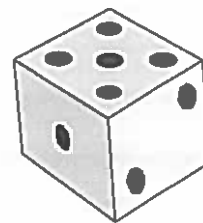


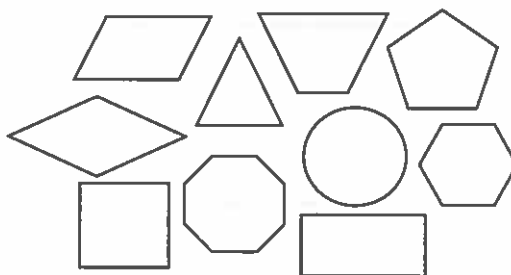
Calculating a probability

1. A die is rolled. Find the probability that it lands showing:

- (a) 1 $\frac{1}{6}$ (b) an odd number $\frac{1}{2}$
 (c) a prime number $\frac{2}{3}$ (d) a multiple of 3 $\frac{1}{3}$
 (e) a number less than 3 $\frac{1}{3}$



2. If one of these geometric shapes is picked at random, what is the probability that it has:



- (a) 4 sides $\frac{4}{10} = \frac{2}{5}$ (b) a centre of symmetry $\frac{8}{10} = \frac{4}{5}$ (c) less than 3 sides 0

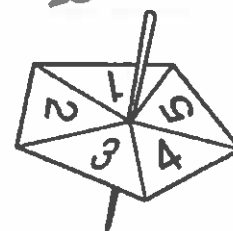
3. Darren and his friend are playing with a pack of cards from which his maths teacher has confiscated the Ace of Spades and the King of Hearts.

What is the probability that the first card he deals is

- (a) an Ace (b) a black card
 (c) a Queen (d) the 4 of clubs?

a) $\frac{3}{50}$ b) $\frac{1}{2}$
 c) $\frac{4}{50} = \frac{2}{25}$ c) $\frac{1}{50}$

4. A spinner has 5 edges as shown in the diagram. When it is spun it comes to rest on one edge.



What is the probability that it comes to rest on a number less than 3?

$$\frac{2}{5}$$