

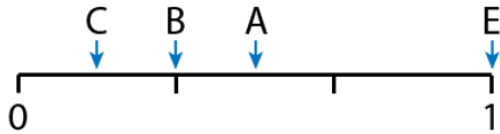
Writing Probabilities

There are 6 counters in a bag.



A sweet is chosen at random from the bag.

Here is a probability scale.



Which letter shows the probability of choosing:

- a) green b) blue
c) red d) not purple.

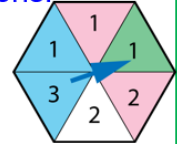
A bag contains 20 counters.

14 of the counters are blue.

A counter is picked at random.

What is the probability that it is blue?

A spinner has six equal sections.



The spinner is spun.

What is the probability of it landing on

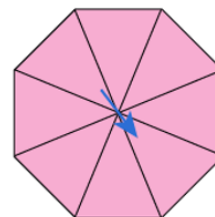
- a) blue b) 1
c) not green d) pink and even

Rose rolls an ordinary fair six sided dice. Write down the probability that she gets

- a) the number 3
b) a number less than 5
c) not a prime number.

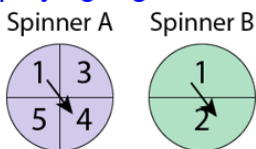
An eight sided spinner has numbers 1 to 4 in each section.

- The probability of getting a 1 is 0.25
- The probability of getting a 2 is 50%
- The probability of getting 3 and the probability of getting 4 are both $\frac{1}{8}$.



Write the numbers on the spinner to match these probabilities.

Georgia is playing a game with two fair spinners.



- a) Write down all the possible outcomes.
b) What is the probability that Georgia gets a total of 5 on both spinners?

50 students are asked about their favourite core subject and science.

The results are shown.

	English	Maths	Science	Total
Male	7		6	
Female	9			28
Total		21	13	50

A student is selected at random.

What is the probability that the student prefers maths and is female?

240 people go to a football match.

- 178 of the people support the home team.
- The other people support the away team.
- 124 of the home team supporters are male.
- 48 of the away supporters are male.

A person is selected at random.

Work out the probability that person is a female who supports the away team.