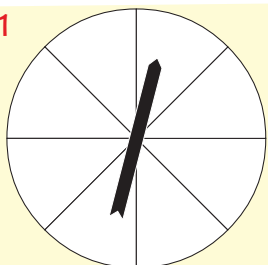


69 PROBABILITY SCALE PRACTICE

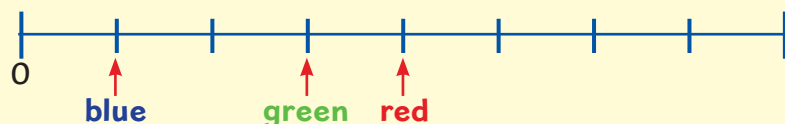
1



In a game, a spinner with three different colours is spun.

The spinner stops on one of eight equal sectors.

The probability scale shows how likely it would be for the arrow to stop on any one colour.



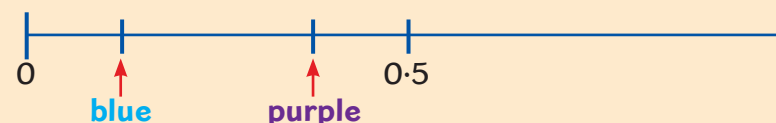
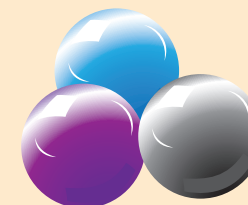
Colour the spinner.

2

A bag contains some purple balls, some black balls and some blue balls.

A ball is taken from the bag at random.

The scale shows the probability that the ball is purple and the probability that the ball is blue.



a Estimate the probability that the ball taken is

i purple ii blue

b Estimate the probability that the ball taken is **not** blue.

3 These are the numbers of brothers and sisters that eight students in a music group have.

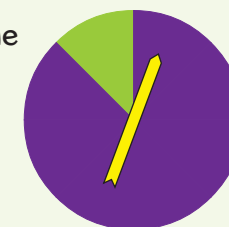
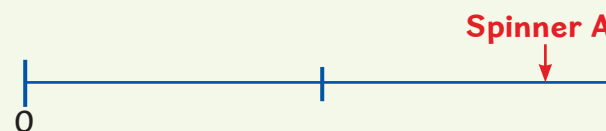
4 2 3 4 5 1 3 2

Mark with a letter **X** on the scale, the probability that one of the eight students chosen at random will have 5 brothers and sisters.



4

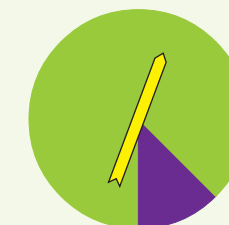
The arrow on the probability scale shows the chance of **Spinner A** stopping on purple.



Spinner A

a Put an arrow on the scale to show the chance of **Spinner B** stopping on purple.

b Explain why you put your arrow here.



Spinner B

69 PROBABILITY SCALE PRACTICE CONTINUED

- 5 This table show the colours of 100 tickets sold in a raffle.

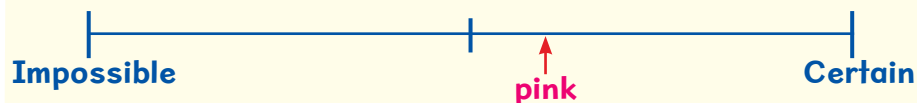
green	20
pink	60
yellow	15
blue	5
Total	100



All the tickets were put in a hat.

One ticket was pulled out without looking.

The arrow on this probability scale show the probability that the ticket pulled out was pink.



On your copy of the scale, put arrows to show

- a the probability that the ticket pulled out was green.
Explain why you put the arrow here.
- b the probability that the ticket pulled out was blue.
- c the probability that the ticket pulled out was yellow.

69 PROBABILITY SCALE PRACTICE CONTINUED

- 5 This table show the colours of 100 tickets sold in a raffle.

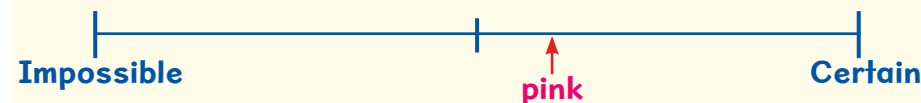
green	20
pink	60
yellow	15
blue	5
Total	100



All the tickets were put in a hat.

One ticket was pulled out without looking.

The arrow on this probability scale show the probability that the ticket pulled out was pink.



On your copy of the scale, put arrows to show

- a the probability that the ticket pulled out was green.
Explain why you put the arrow here.
- b the probability that the ticket pulled out was blue.
- c the probability that the ticket pulled out was yellow.