

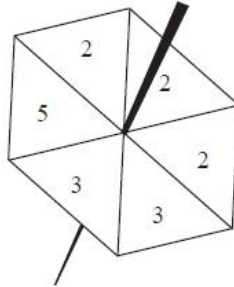
# Foundation Questions - Probability Scales

## Questions

Q1.

Meela has a fair 6-sided spinner.

The sides of the spinner are numbered 2, 2, 2, 3, 3, 5



Meela spins the spinner once.

(a) Which number is the spinner **least** likely to land on?

.....  
(1)

(b) From the following list, choose the word that best describes the likelihood that the spinner will land on 2

impossible      unlikely      evens      likely      certain

.....  
(1)

(c) Write down the probability that the spinner will land on 3

.....  
(2)

**(Total for Question is 4 marks)**

**Q2.**

There are six counters in a bag.

Three counters are red, two counters are green and one counter is blue.



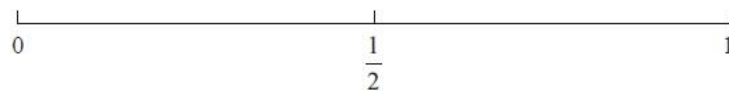
Nick takes at random a counter from the bag.

(a) Circle the word that best describes the likelihood that Nick takes a blue counter.

impossible      unlikely      even      likely      certain

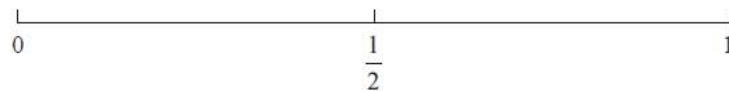
(1)

(b) On the probability scale, mark with a cross (×) the probability that Nick takes a red counter.



(1)

(c) On the probability scale, mark with a cross (×) the probability that Nick takes a white counter.



(1)

**(Total for question = 3 marks)**

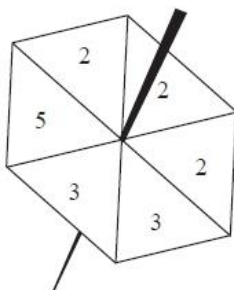
# Solutions

## Questions

Q1.

Meela has a fair 6-sided spinner.

The sides of the spinner are numbered 2, 2, 2, 3, 3, 5



Meela spins the spinner once.

(a) Which number is the spinner **least** likely to land on?

5

.....  
(1)

(b) From the following list, choose the word that best describes the likelihood that the spinner will land on 2

impossible

unlikely

**evens**

likely

certain

.....  
(1)

(c) Write down the probability that the spinner will land on 3

$\frac{2}{6}$  or  $\frac{1}{3}$

.....  
(2)

**(Total for Question is 4 marks)**

**Q2.**

There are six counters in a bag.

Three counters are red, two counters are green and one counter is blue.



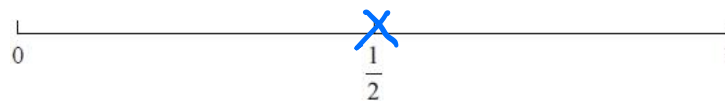
Nick takes at random a counter from the bag.

(a) Circle the word that best describes the likelihood that Nick takes a blue counter.

impossible    unlikely    even    likely    certain

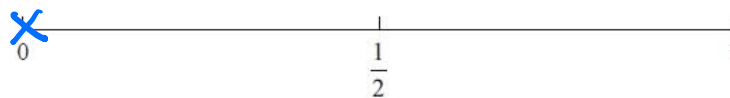
(1)

(b) On the probability scale, mark with a cross (×) the probability that Nick takes a red counter.



(1)

(c) On the probability scale, mark with a cross (×) the probability that Nick takes a white counter.



(1)

**(Total for question = 3 marks)**