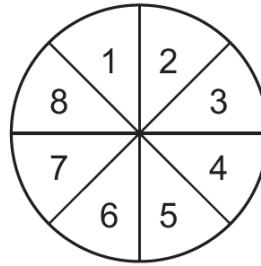


Probability – Checkpoint Primary Math

1.

Carlos has a fair dice and a spinner divided into eight equal parts.



Carlos says,



It is equally likely that I will get an even number on the dice, as on the spinner.

Tick (✓) to show if Carlos is correct.

Yes

☐

No

☐

Explain how you know.

.....

.....

.....

[1]

2.

Here is a set of digit cards.

1	2	3	4	5	6	7	8	9
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Ahmed picks one digit card at random.

Draw a line to match each event to the correct probability.

Event	Probability
Ahmed picks the number 4	1 in 9 chance
Ahmed picks an even number	1 in 3 chance
Ahmed picks a multiple of 3	4 in 9 chance

[1]

3.

Carlos rolls a fair six-sided dice.

Carlos says,

‘I am less likely to roll a 6 than any of the other numbers on the dice.’

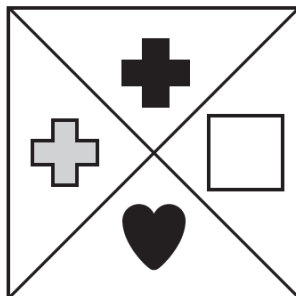
Explain why Carlos is wrong.

.....

..... [1]

4.

Here is a picture of a spinner.



Pierre spins the spinner once.

Tick (✓) to show if the pairs of events about the spinner are mutually exclusive or **not** mutually exclusive.

Pairs of events about the spinner	Mutually exclusive	Not mutually exclusive
It lands on a black shape and it lands on a white shape.		
It lands on a black shape and it lands on a square.		
It lands on a black shape and it lands on a heart.		
It lands on a black shape and it lands on a grey shape.		

[1]