SCORE

Data & Measurement

With Classified answer book

8

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2- Mutually Exclusive Outcome

indicate the probabilities of the different outcomes:

1) Rolling a 3 or a 4 on a fair dice.

2) Rolling a 1 or a multiple of 3 on a fair dice.

3) Picking a **B** or **N** from cards with the letters **B R A I N**.

4) Picking a blue or green counter from a bag containing 2 blue counters, 4 green counters and 7 yellow counters.

5) Drawing a multiple of 3, 4,or 5 from a pack of 10 cards numbered 1 to 10.

6) Not rolling a 1 or a 2 on a fair dice.

7) On a biassed dice, the probability of rolling a 1 or 2 is 0. 5 and the probability of rolling a 1 is 0. 2. Find the probability of rolling a 2.

8) From a set of cards, the probability of picking a 4 or a 5 is $\frac{7}{10}$ and the probability of picking a 4 is $\frac{3}{10}$. Find the probability of picking a 5.

9) Find the probability for red.

Blue	Green	Red
0.1	0.4	

10) Find the probability for C.

A	B	C	D
0.15	0.3		0.25

11) The probabilities for train and walk are equal. What are they?

Car	Bus	Train	Walk
0.4	0.3		

12) Work out the probability for each colour.

Blue	Red	Green	Pink
x	$2x$	$3x$	$4x$

13 There are 50 cars in a car park. 15 cars are silver, 8 cars are white and 9 cars are black. A car is chosen at random. Work out the probability that the car is

a black or white

b not silver

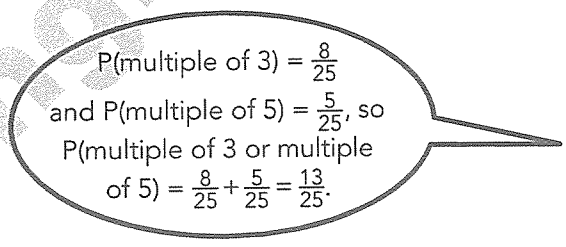
c neither silver nor black.

14 There are 25 balls in a box, numbered from 1 to 25.
A ball is chosen at random.

a Find the probability that the number is

i an odd number ii an even number iii not a multiple of 7.

b Tekka says:



What mistake has Tekka made?