

3. (a) Circle the correct answer for each of the following statements.

- (i) Helen has bought one of the eighty tickets sold in a raffle. The probability that Helen wins the top prize in the raffle is

$$\frac{1}{79}$$

1%

1:80

$$\frac{1}{80}$$

80%

[1]

- (ii) One ball is selected at random from a box containing 5 blue balls, 4 red balls and 1 yellow ball. The probability that the selected ball is blue is

$$\frac{5}{5}$$

$$\frac{1}{2}$$

$$\frac{5}{41}$$

$$\frac{10}{5}$$

5%

[1]

- (b) A bag contains some red, green and black beads.
One bead is selected at random from the bag.

The probability of selecting a green bead from the bag is $\frac{1}{3}$.

Which of the following sets of beads could have been in the bag?
Circle the correct answer.

2 red 1 green 1 black	3 red 6 green 3 black	3 red 3 green 4 black	7 red 4 green 1 black	5 red 3 green 4 black
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[1]

4. (a) Calculate 38% of 15.6.

[2]

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(b) Express 52 as a percentage of 80.

[2]

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