a) A bag only contains red marbles, blue marbles and yellow marbles.

- The probability of picking a red marble is $\frac{3}{10}$.
- There are six yellow marbles.
- The probability of picking a blue marble is six times as likely as picking a yellow marble.

Work out the total number of marbles in the bag.

b) A bag only contains red marbles, blue marbles and yellow marbles.

- The probability of picking a red marble is $\frac{3}{8}$.
- The probability of picking a blue marble is nine times as likely as picking a yellow marble.

Work out the number of yellow marbles that are in the bag.

c) A bag only contains red marbles, blue marbles and yellow marbles.
The probability of picking each colour is shown:

Colour	Red	Blue	Yellow
Probability	0.7	$5x$	x
Amount			5

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BACKWARD FADED MATHS