

1. The table below shows the probabilities of choosing a counter from a bag. The ratio of yellow to green is in a ratio of 2:1. How many counters are there?

	Black	Green	Yellow
0.3			

Available from my TES account

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(3 marks)

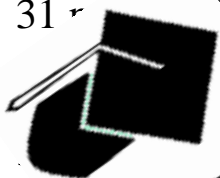
2. Lucas has calculated the probability of scoring against certain teams. The probability he will score against Diamond FC is 0.55. The probability he will score against Town is 0.7.
- (a) Draw a tree diagram to show the probabilities.

- (b) Work out the probability he will not score against either team.

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(2 marks)

3. Laura asked 80 people what their favourite sport was.

31 people liked all three sports



15 people liked football and rugby

12 people liked football and netball

10 people liked netball and rugby, but not football

4 people liked only football

5 people liked only netball

All together liked rugby.

How many people liked only netball?

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account

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(4 marks)

2. There are 5 blue counters and 3 yellow counters in a bag.

One counter is taken out, not replaced.

A second counter is then taken.

(a) Draw a tree diagram to display

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(ks)

(b) Work out the probability that at least one is a yellow.

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(marks)

Score =