

1. In a bag of counters, there are 3 orange, 4 brown and 1 yellow.

Probability of selecting:

(i) Red (1 mark)

(ii) Blue (1 mark)

(iii) Brown (1 mark)

Available from
my TES (3 marks)

2. On the probability scale, mark with an X the probability of selecting a red card from a standard deck of cards.



(1 mark)

3. The table below shows the probability of selecting a counter from a bag.

Red	Blue	Orange
0.3	0.05	0.4

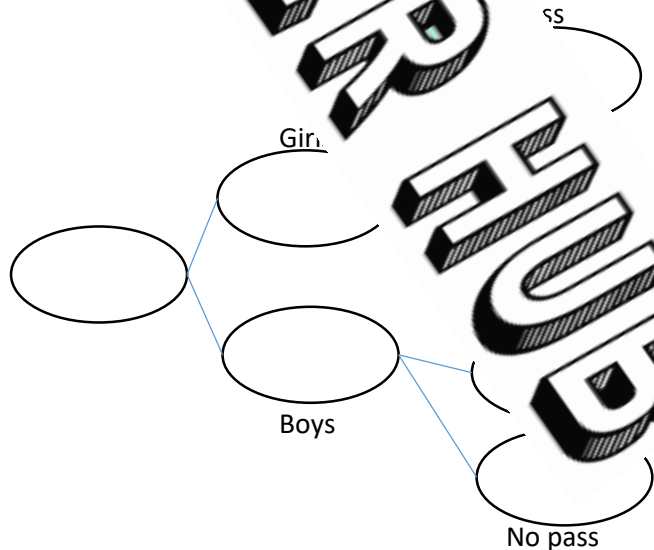
Work out the value of x .

(1 mark)

4. There are 30 students in a class.

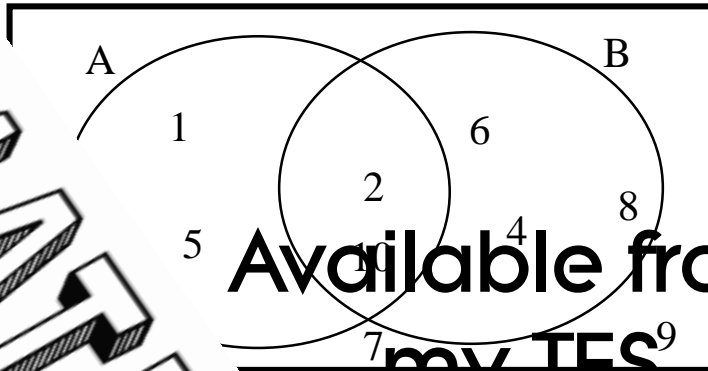
- 13 of the students were boys
- 5 of the girls pass a test
- 9 of the boys don't pass the test.

(a) Complete the frequency tree.



(2 marks)

5. Venn diagram showing some data.



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Write down the number of elements selecting:

- (i) A
- (ii) $A \cap B$
- (iii) A'

(3 marks)

6. Harriett is going to roll 2 fair six sided dice.
She multiplies the two scores together.
She has started to complete the sample space.

(a) Complete the table

x	1	2	3	4
1				
2				
3				
4				
5				
6				

(b) Calculate the probability of scoring a total of 12.

(3 marks)

Score =