

1. In a bag of counters, there are 6 pink, 3 red and 2 blue.

Write down the probability of selecting:

(i) Pink

$$\frac{6}{11}$$

(ii) Not blue

$$\frac{9}{11}$$

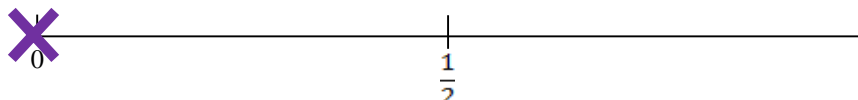
(iii) Pink or red

$$\frac{9}{11}$$

(3 marks)

2. On the probability scale below, mark with an X

The probability of rolling a **seven** on a standard six sided dice.



(1 mark)

3. The table below shows the probabilities of choosing a counter from a bag.

Red	Blue	Green	Orange
0.24	x	0.16	0.4

Work out the value of  $x$ .

$$x = 0.2$$

(1 mark)

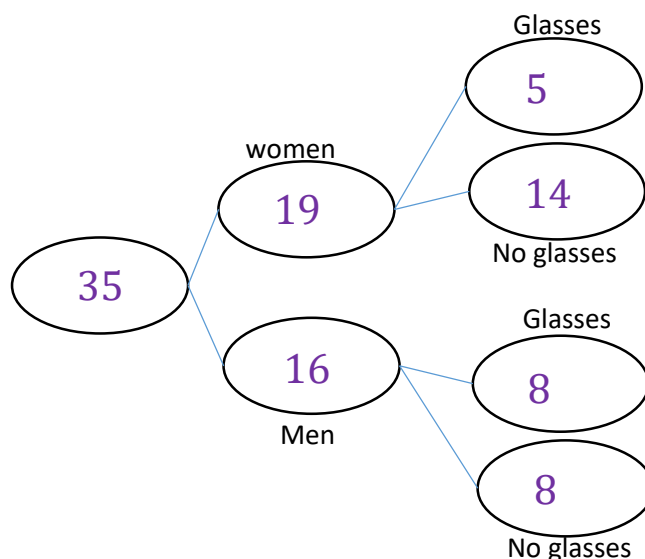
4. There are 35 workers in an office.

19 of the members were women

Half of the mem wear glasses.

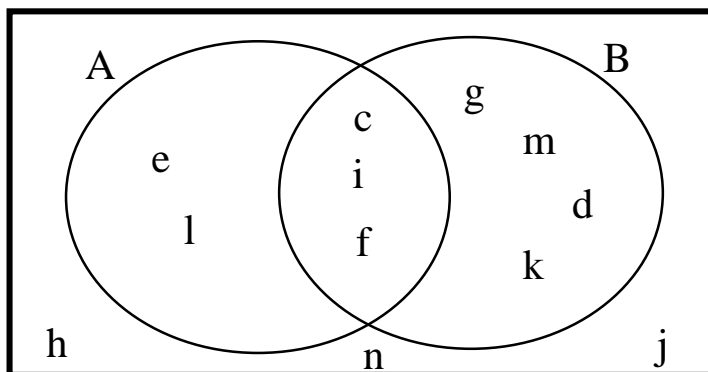
5 of the women wear glasses.

(a) Complete the frequency tree.



(2 marks)

5. Below is Venn diagram showing some data.



Write down the probability of selecting:

(i)  $A$

$\frac{5}{12}$

(ii)  $A \cap B$

$\frac{1}{4}$

(iii)  $B'$

$\frac{5}{12}$

(3 marks)

6. Gabe is going to roll 1 fair six sided dice and flip a fair coin. He has started to complete the sample space diagram.

(a) Complete the table

+	1	2	3	4	5	6
H	1H	2H	3H	4H	5H	6H
T	1T	2T	3T	4T	5T	6T

(b) Calculate the probability of getting at least a 5 on the dice.

$\frac{1}{6}$

(3 marks)

Score =