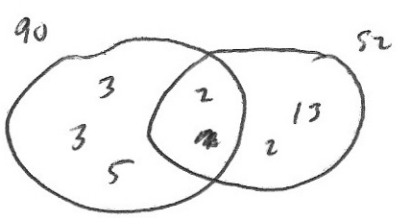
14th February **Foundation Plus 5-a-day**

Corbettmaths

Find the lowest common multiple (LCM) of 90 and 52

$90 = 2 \times 3 \times 3 \times 5$

$52 = 2 \times 2 \times 13$



LCM $= 2 \times 2 \times 3 \times 3 \times 5 \times 13$
$= 2340$

In May 1999, the population of a country was 720,000.

In May 2019, the population was 770,000.

Work out the percentage increase.

$\frac{50000}{720000} \times 100$

6.944... %

There are 280 counters in a box.
They are red, blue and yellow.
A quarter of the counters are red.
There are 4 times more blue than yellow counters in the bag.

The ratio of yellow counters to red counters is 1 : n

Find n

$280 \div 4 = 70$

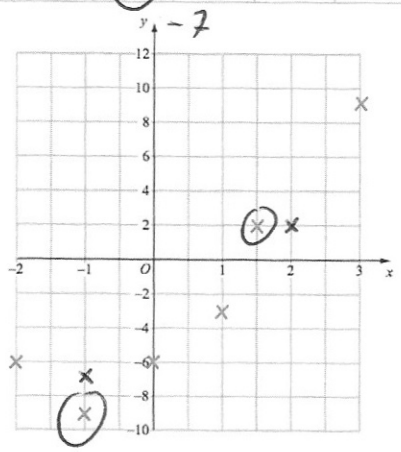
R : B : Y
70 : 168 : 42

Y : R
42 : 70
1 : 1.6̇

1 : 1.6̇

Jaxon is drawing the graph of
$y = x^2 + 2x - 6$

x	-2	-1	0	1	2	3
y	-6	-9	-6	-3	2	9



Write down two things that Jaxon has done wrong.

(1) It should be (-1, -7)

(2) The point should be plotted at (2, 2)