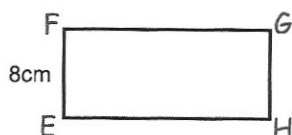
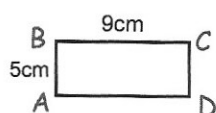


Solve  $5(x + 3) = 31$ 

$$5x + 15 = 31$$

$$5x = 16$$

$$x = 3.2$$



Rectangles  $ABCD$  and  $EFGH$  are similar.

Work out the length of  $FG$ .

$$\frac{8}{5} = 1.6$$

$$9 \times 1.6 = 14.4 \text{ cm}$$

$$u = v - at$$

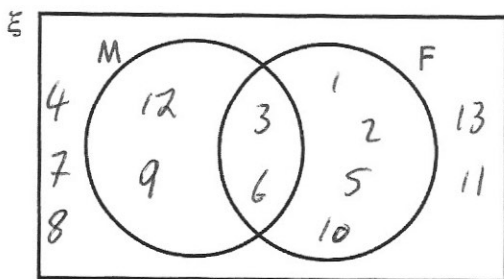
$$v = 9 \quad a = -5 \quad t = \frac{1}{4}$$

Work out the value of  $u$ .

$$9 - (-5)\left(\frac{1}{4}\right)$$

$$9 - \left(-\frac{5}{4}\right)$$

$$9 + \frac{5}{4} = 10\frac{1}{4}$$



$$\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13\}$$

M = Multiples of 3

F = Factors of 30

Complete the Venn diagram

A number is chosen at random

Find  $P(M \cup F)$ 

$$\frac{8}{13}$$

A number is chosen at random

Find  $P(M \cap F)$ 

$$\frac{2}{13}$$