

14th February



Corbettmaths

$$1 < \frac{6x - 3}{5} < 9$$

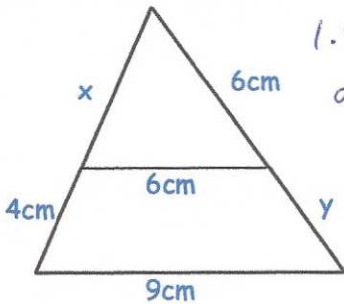
x is an integer.
Find the possible solutions.

$$5 < 6x - 3 < 45$$

$$8 < 6x < 48$$

$$1.3 < x < 8$$

2, 3, 4, 5, 6, 7

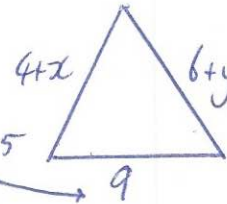
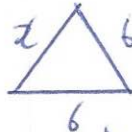


$$1.5x = 4 + x$$

$$0.5x = 4$$

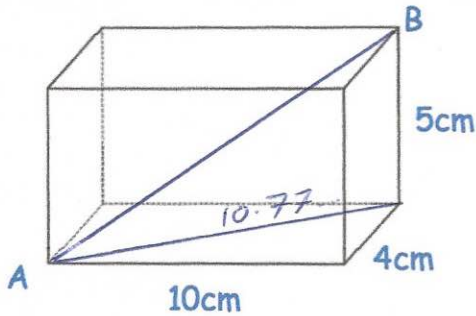
$$x = 8$$

Find x and y.



$$9 = 6 + y$$

$$y = 3$$



Find the distance AB.

$$11.874 \dots \text{cm}$$

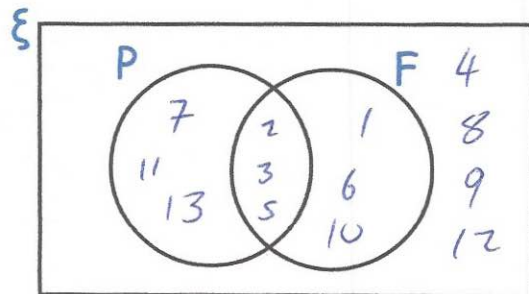
$$\sqrt{141} \text{ cm}$$

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

P = prime numbers 2 3 5 7 11 13

F = factors of 30 1 2 3 5 6 10

Complete the Venn diagram



Write down $P(P \cup F)$

$$\frac{9}{13}$$

Write down $P(P \cap F)$

$$\frac{3}{13}$$