



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

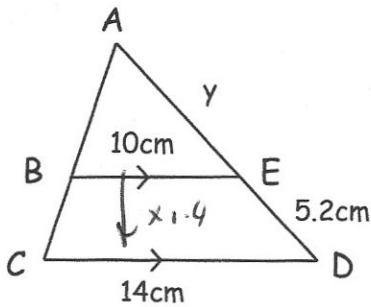
x is an integer.
Find the possible solutions.

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

$$8 < 6x < 48$$

$$\frac{4}{3} < x < 8$$

2, 3, 4, 5, 6, 7



Find y

$$y \times 1.4 = y + 5.2$$

$$1.4y = y + 5.2$$

$$0.4y = 5.2$$

$$y = 13$$

A cube with volume 216cm^3 is placed on a table.

$$\text{side} = 6\text{cm}$$

$$\text{Area of base} = 6 \times 6 = 36\text{cm}^2$$

The cube applies a force of 80 newtons on the table.

Work out the pressure.

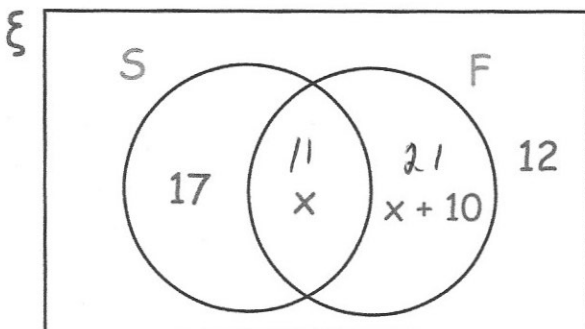
$$P = \frac{F}{A}$$

$$\frac{80}{36} = 2.2 \text{ N/cm}^2$$

The Venn diagram shows information about 61 ice creams sold.

S = sprinkles

F = flake



$$2x + 39 = 61$$

$$2x = 22$$

$$x = 11$$

How many ice creams had a flake but no sprinkles?

21

What fraction of the ice creams that had sprinkles, also had a flake?

$$\frac{11}{28}$$