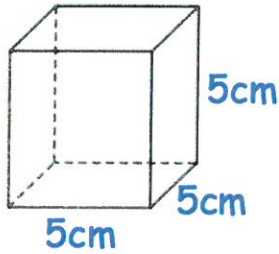


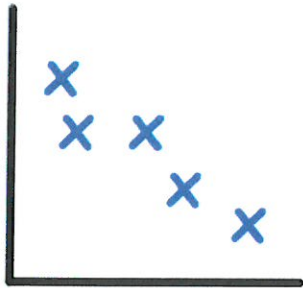


1st January



Work out the volume of the cube.
State the units of your answer.

$$5 \times 5 \times 5 \\ = 125 \text{ cm}^3$$



What type of correlation is shown?

negative correlation

$$\frac{3}{4} - \frac{1}{3}$$

$$= \frac{9 - 4}{12} = \frac{5}{12}$$

$$\frac{3}{4} + \frac{4}{7}$$

$$= \frac{21 + 16}{28} = \frac{37}{28} = 1 \frac{9}{28}$$

Jam is made from sugar and strawberries in the ratio 3:5.

A jar contains 150g of sugar.

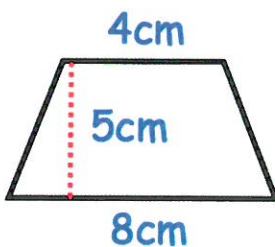
$$\begin{array}{l} \text{Su : St} \\ 3 : 5 \\ \times 50 \rightarrow 150 \end{array}$$

How many grams of strawberries are in the jar?

$$5 \times 50 = 250 \text{ g}$$

How many grams of jam are in the jar?

$$250 + 150 = 400 \text{ g}$$



Calculate the area of the trapezium

$$\frac{1}{2} (4 + 8) \times 5 \\ = \frac{1}{2} \times 12 \times 5 \\ = 30 \text{ cm}^2$$