

Monday

Jam is made from sugar and strawberries in the ratio 3:5. A jar contains 150g of sugar.

How many grams of strawberries are in the jar? How many grams of jam are in the jar?

$$\begin{array}{l} \text{Su:St} \\ 3:5 \\ \times 50 \rightarrow 150 \\ 5 \times 50 = 250 \text{g} \end{array}$$

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

Tuesday

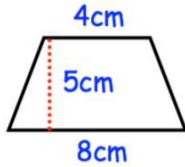
$$\frac{3}{4} - \frac{1}{3} \qquad \frac{3}{4} + \frac{4}{7}$$

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

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

Wednesday

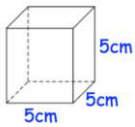
Calculate the area of the trapezium



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

Thursday

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



$$\begin{aligned} & 5 \times 5 \times 5 \\ &= 125 \text{ cm}^3 \end{aligned}$$

Friday

What type of correlation is shown?



negative correlation

Saturday

Write 50cm as a fraction of 2m Give your answer in its simplest form

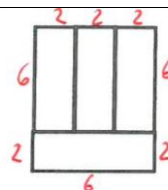
$$2\text{m} = 200\text{cm}$$

$$\frac{50}{200} = \frac{1}{4}$$

Sunday



Four rectangles identical to the one above are arranged.



What is the perimeter? 28cm