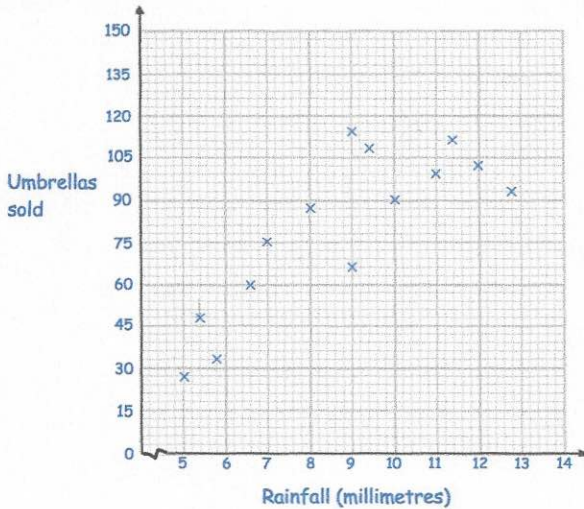


18th December



Corbettmaths



Describe the relationship between the rainfall and umbrellas sold.

As the rainfall increases, the number of umbrellas sold increases. It is a positive correlation.

Explain why it may **not** be appropriate to use your line of best fit to estimate the number of umbrellas sold in a week with 25mm of rainfall.

The data only includes up to 12.8mm, and 25mm is beyond the range of the data. (Extrapolation)

Work out

$$1\frac{1}{6} \times 2\frac{2}{3}$$

$$\frac{7}{6} \times \frac{8}{3} = \frac{56}{18} = \frac{28}{9}$$

$$3\frac{1}{9}$$

Simplify

$$\frac{a^{1/5} \times a^{2/3}}{a^{3/5}}$$

$\frac{1}{5} + \frac{2}{3}$
 $\frac{3}{15} + \frac{10}{15} = \frac{13}{15}$
 $\frac{13}{15} - \frac{3}{5}$

$$a^{4/15}$$

$$\frac{13}{15} - \frac{6}{15} = \frac{7}{15}$$



Shown is one angle from a regular polygon.

How many sides does it have?

$$360 \div 2 = \del{180} 180$$

180 sides