

24th May



Corbettmaths

Increase \$6 by 5%

$$10\% = 0.60$$

$$5\% = 0.30$$

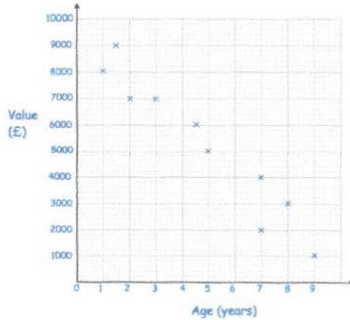
$$\text{\$}6.30$$

Decrease 90kg by 20%

$$10\% = 9$$

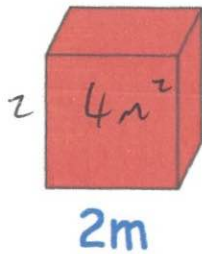
$$20\% = 18$$

$$90 - 18 = 72 \text{ kg}$$



What type of correlation is shown?

Negative



Find the volume of the cube

$$2 \times 2 \times 2 = 8 \text{ m}^3$$

Find the surface area of the cube

$$6 \times 4 = 24 \text{ m}^2$$

Solve $8(x + 3) = 120$

$$8x + 24 = 120$$

$$\begin{array}{r} -24 \quad -24 \\ 8x = 96 \\ \div 8 \quad \div 8 \end{array}$$

$$x = 12$$

Michael cycles at an average speed of 20mph.

How far does he cycle in 3 hours?

$$d = s \times t$$

$$= 20 \times 3 = 60 \text{ miles}$$

Michael cycles at an average speed of 20mph.

How far does he cycle in 45 minutes?

$$d = s \times t$$

$$= 20 \times 0.75 = 15 \text{ miles}$$