

- 1 A doctor starts work at 20:40 and finishes work at 06:10 the next day.

How long is the doctor at work?

Give your answer in hours and minutes.

$$\begin{array}{r} 06:10 + 24h \rightarrow 30:10 \rightarrow 29:70 \\ \underline{20:40 -} \quad \underline{20:40 -} \quad \underline{20:40 -} \\ 9:30 \\ = 9 \text{ hour } 30 \text{ minutes} \end{array}$$

Answer 9 h 30 min [1]

- 2 Write 53 400 000 in standard form.

Answer 5.34×10^7 [1]

- 3 Write down the gradient of the line $y = -3x + 4$.

$$\begin{aligned} y &= mx + c \\ m &= -3 \end{aligned}$$

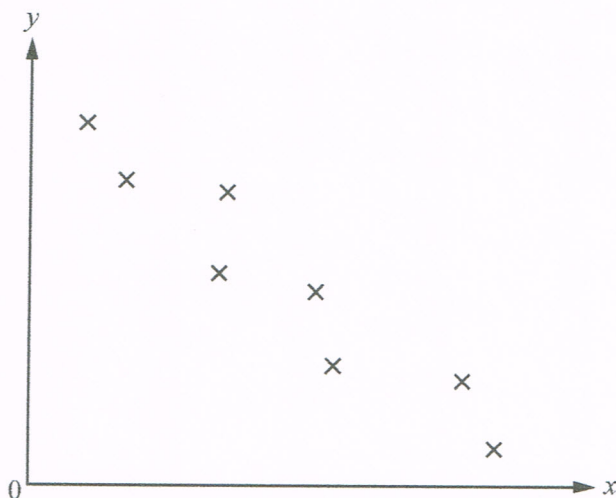
Answer -3 [1]

- 4 Simplify $5x^0$.

$$\begin{aligned} &5 \cdot x^0 \\ &= 5 \cdot 1 \\ &= 5 \end{aligned}$$

Answer 5 [1]

5



What type of correlation is shown on the scatter diagram?

Answer Negative [1]