Past-paper walk-through

Statistical charts and diagrams ▪ E9.4

eXercise

Questions in this set

- 0580/23 N25 Q6 ▪ 6 marks

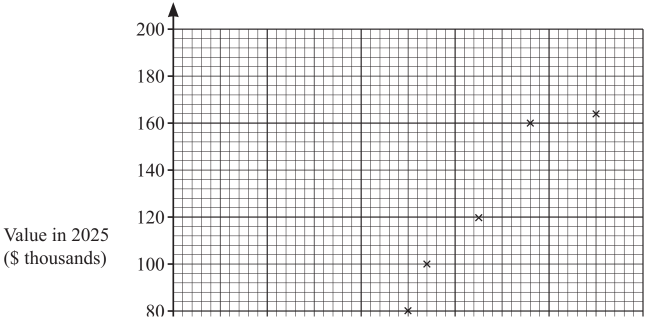
Reading the mark scheme

- **B1** a mark that stands on its own – the point is either made or not.
- **M1** a *method* mark: the right approach, even if the number is wrong.
- **A1** an *answer* mark, and it usually needs its M mark first.
- **C1** a working mark on the way to the answer.
- // separates answers the examiner accepts equally.
- **ecf** = error carried forward: a later part is marked on your own earlier answer.
- **owtte** = "or words to that effect" – the wording need not match.

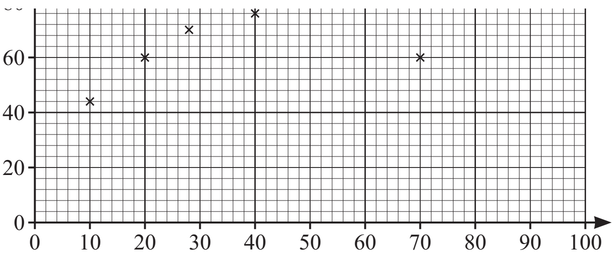
Question 6

0580/23 N25 ▪ Q6 ▪ 6 marks

6 The scatter diagram shows the value, in thousands of dollars, of ten paintings in 2005 and the value of the same paintings in 2025.



Question 6



Value in 2005 ($ thousands)

(a) The value of one of the paintings in 2025 is less than expected.

Draw a circle around the point that represents this painting. [1]

(b) Another painting had a value of $75 000 in 2005 and $140 000 in 2025.

Question 6

On the scatter diagram, plot this point. [1]

(c) Write down the number of paintings with a value of less than \$53 000 in 2005.

Question 6

(d) What type of correlation is shown on the scatter diagram?

Solution 6

(a)

Mark scheme

- A ring around the point (70, 60)

Solution 6

(b)

Mark scheme

- Point correctly plotted at (75, 140)
- 1

Solution 6

(c)

Mark scheme

- 5

Solution 6

(d)

Mark scheme

- Positive
- 1