

M1.

Straight ruled line of best fit

*Through (1, 9000) to (1, 10 000) and (8, 800) to (8, 1800)***B1**

3400

*Reads correctly from their straight line of best fit with negative gradient**Within $\frac{1}{2}$ square**SC1 [3200, 3800] with no straight line of best fit drawn***B1ft****[2]****M2.(a)** Any four correct plots $\pm \frac{1}{2}$ square**M1**

All seven correct plots

 $\pm \frac{1}{2}$ square**A1**

(b) Continuous line within limits

*Straight line, negative gradient, at least 3 large squares wide that passes / would pass through gate at (2, 8) and (2, 11) and gate at (5, 1) and (5, 5)***B1**

(c) Negative (correlation)

*Strand (i) Correct vocabulary
Must use the word 'negative'*

Ignore extra words eg strong, weak, ...

Q1

- (d) Reads across from 5 on the vertical axis
Must have a straight line of best fit

M1

Answer appropriate to their straight
 line of best fit with negative gradient

ft their line of best fit $\pm \frac{1}{2}$ square
SC1 Answer [3.9, 4.3]

A1 ft

[6]

M3.(a) 2

B1

- (b) Four points plotted correctly
 $\frac{1}{2}$ square tolerance

B1 for 2 or 3 points plotted correctly

B2

- (c) Straight ruled line of best fit correctly drawn within tolerance

B1

- (d) Correct reading off for their line of best fit

$\frac{1}{2}$ square tolerance

ft their line of best fit

Accept [32, 42] if no line of best fit seen

B1ft

[5]

