
Question 1

- (a) diagram
- (b) Bigger size, shorter times (oe)
- (c) 17.5 – 18.5 seconds
- (d) $\frac{5}{9}$
- (e) $\frac{2}{9}$

Notes:

- (a) B2 cao all correct
B1 cao >4 correct, to half a square
- (b) B1 cao
- (c) B1 cao
- (d) B1 cao accept 0.55, 0.56 oe or better
- (e) B1 cao accept 0.22 or better

Question 2

- (a) Line of best fit
- (b) i) Distance = 5.2 m → 1.685 m
ii) Height = 1.83 m → 5.6 m

Notes:

- (a) B2 if fully within overlay guides
B1 cao if no less than half within the guides
- (b) i) B1 ± square (ft) dep on at least B1 in (a)
ii) B1 ± square (ft) dep on at least B1 in (a)

Question 3

- (a) points plotted
- (b) High positive, good accept description of relationship

Question 4

- (a) Line of best fit
- (b) Draw line "amount = 10.4" on graph or state use of amount = 10.4; price about £16.50

Question 5

- (a) Line of best fit (only str. line)
- (b) i) accept 136 – 140 pages
 - ii) accept 216 – 220 g

Question 6

- (a) Scatter graph
- (b) Negative

Notes:

- (a) B2 for 4 points correct \pm half a square
 - B1 for 2 points correct \pm half a square
- (b) B1 cao Do not accept a description of the relationship.

Question 7

- (a) (i) None
- (ii) Length of hair

- (b) (i) Positive
- (ii) Waist measurement

Question 8

- (a) Points correct

- (b) Neg corr

- (c) 52–57

Question 9

- (a) Line

- (b) 52–57

- (c) 22–28

Question 10

Pupils' own answers

Question 11

- (a) lbf
- (b) 54 mins
- (c) 23°C
- (d) Negative value

Question 12

- (a) Completed scatter diagram
- (b) Pupils' own answers

Question 13

- (a) Points plotted
- (b) Negative
- (c) 11.1 - 11.9