



Q	Answer	Marks
1	a) positive correlation b) negative correlation	2
2	negative correlation	1
3	a) positive correlation b) Students who spent longer revising scored higher marks	2
4	Seven points plotted correctly	2
5	a) (5, 22) b) positive correlation	2
6	(a) 4.5 litres is outside the range of the data (1.0 to 2.5 litres), so this is extrapolation and the trend may not continue. (b) Correlation does not prove causation; another factor (e.g. car weight or design) could affect top speed.	2
7	Correlation does not mean cause. Both depend on age: older children have bigger feet and read better.	2
8	a) (11, 60) b) negative correlation c) 40	3
9	22	2
10	a) positive correlation b) approximately 160 (accept 150-175)	3
11	a) 90 b) 4 extra drinks sold for every 1 degree rise in temperature c) 40 degrees is outside the range of the data (12 to 28), so the line may not continue	4
12	a) (45,50) and (50,54) plotted correctly b) positive correlation c) The higher a student's maths score, the higher their science score tends to be	3
13	a) positive correlation b) £40	3
14	a) (11, 10) b) approximately 47 (accept 44-50)	3
15	a) positive correlation b) a straight line following the trend of the points c) approximately 53 (accept 49-57) d) 20 hours is outside the range of the data (0 to 9 hours), so the trend may not continue	4

Full worked solutions, written out by hand, are on the solutions sheet for this topic.