



Q	Answer	Marks
1	Ben (162, 6) Chen (171, 8)	2
2	a) positive correlation b) negative correlation	2
3	The student scored 35 in maths and 40 in science	2
4	a) positive correlation b) Students who spent longer revising scored higher marks	2
5	A straight line passing close to the points, with roughly equal numbers of points above and below it, following the trend of the points	2
6	Crosses plotted at (1, 13), (2, 11), (4, 9), (5, 8), (7, 5), (8, 3)	2
7	a) negative correlation b) the more television a student watches, the lower their test score tends to be	2
8	Yes. The marks do not go up or down with shoe size - there is no pattern	2
9	a) positive correlation b) approximately 160 (accept 150-175)	3
10	a) A straight line close to the points, with about as many points above as below, e.g. from (0, 15) to (10, 85) b) About 60 (accept 56 to 64 if it matches their line)	3
11	a) 45 b) 25 hours is outside the range of the data, so the estimate is unreliable	3
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) (22, 20) b) positive correlation c) 48	4
14	a) negative correlation b) the 4.5 year old laptop at £90 c) As laptops get older their value decreases d) 10 years is outside the range of the data (1 to 6 years), so the trend may not continue	4

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