

## Q1. (2017)

|       |                                                                                                                                                                                                                      |    |                                                                                                                                                        |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| 12(a) | Correct criticisms about any two of the incorrect plotting of (17, 80) at (17, 60)<br>the incorrect position of the line of best fit<br>the incorrect length of the line of best fit (outside the range of the data) | B2 | B1 for one correct comment about point, position or length<br><br>Allow reference to a better line of best fit drawn eg The line should look like mine |
|       | <b>Additional Guidance</b>                                                                                                                                                                                           |    |                                                                                                                                                        |
|       | <b>A comment about the incorrect point must refer to the specific point</b>                                                                                                                                          |    |                                                                                                                                                        |
|       | One of the points is wrong and point at (17, 60) circled on graph                                                                                                                                                    |    | B1                                                                                                                                                     |
|       | Not plotted (17, 80) correctly                                                                                                                                                                                       |    | B1                                                                                                                                                     |
|       | x on 60 should be on 80                                                                                                                                                                                              |    | B1                                                                                                                                                     |
|       | Point at 60 is wrong                                                                                                                                                                                                 |    | B1                                                                                                                                                     |
|       | Day 3 is wrong/ there is no day 3 on the graph                                                                                                                                                                       |    | B1                                                                                                                                                     |
|       | 17 is plotted at 60/ 17 should be plotted at 80                                                                                                                                                                      |    | B1                                                                                                                                                     |
|       | One of the points is wrong                                                                                                                                                                                           |    | B0                                                                                                                                                     |
|       | Points on the graph don't match the table                                                                                                                                                                            |    | B0                                                                                                                                                     |
|       | Not put all the points in the correct place                                                                                                                                                                          |    | B0                                                                                                                                                     |
|       | <b>A comment about the line of best fit must not have any misconception</b>                                                                                                                                          |    |                                                                                                                                                        |
|       | The line is not steep enough/ at wrong angle/ should be more vertical                                                                                                                                                |    | B1                                                                                                                                                     |
|       | The line isn't a line of best fit/ the line doesn't fit the points                                                                                                                                                   |    | B1                                                                                                                                                     |
|       | The line of best fit goes below 17/ condone past 30 (implies outside range)                                                                                                                                          |    | B1                                                                                                                                                     |
|       | The line of best fit is wrong/ not drawn accurately/ not drawn properly                                                                                                                                              |    | B0                                                                                                                                                     |
|       | It isn't a line of best fit because it doesn't start at 0                                                                                                                                                            |    | B0                                                                                                                                                     |
|       | The line of best fit is wrong it should go through (0, 0)                                                                                                                                                            |    | B0                                                                                                                                                     |
|       | The line of best fit doesn't go through the points                                                                                                                                                                   |    | B0                                                                                                                                                     |
|       | The line is wrong it only goes through one cross                                                                                                                                                                     |    | B0                                                                                                                                                     |
|       | The line of best fit doesn't go to the axis (implies it's too short)                                                                                                                                                 |    | B0                                                                                                                                                     |

## Q2. (2018)

(A)

|       |                                                                    |    |  |
|-------|--------------------------------------------------------------------|----|--|
| 18(a) | Positive                                                           | B1 |  |
|       | <b>Additional Guidance</b>                                         |    |  |
|       | Ignore descriptive words such as 'strong' or 'weak' or 'scattered' |    |  |

(B)

|       |                                                                                                                                                       |      |                                                                                                                                                                                              |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18(b) | Correct straight line which passes between (10, 35) and (10, 55) and between (70, 135) and (70, 155)                                                  | B1   | line must extend from 10 to 70                                                                                                                                                               |
|       | Draws a vertical line from umbrella sales of £60 to meet their line or marks a point on their line of best fit corresponding to umbrella sales of £60 | M1   | their line / curve must be increasing<br>may be implied by correct value for their line / curve                                                                                              |
|       | Correct value for their line                                                                                                                          | A1ft | ft their increasing line / curve<br>allow any reading within one vertical square<br>eg if their vertical line crosses their line of best fit in the first square above 125, allow [125, 130] |
|       | <b>Additional Guidance</b>                                                                                                                            |      |                                                                                                                                                                                              |
|       | No increasing line / curve drawn                                                                                                                      |      | B0M0A0                                                                                                                                                                                       |
|       | Mark intention for straight line for B1                                                                                                               |      |                                                                                                                                                                                              |
|       | The line may go through the coordinates of the gates but must not go above or below                                                                   |      |                                                                                                                                                                                              |
|       | Ignore any parts of the line outside the range 10 to 70                                                                                               |      |                                                                                                                                                                                              |