

## Section 3: Bivariate data

### Exercise level 1 solutions

1. For the scatter diagrams in the order given, the descriptions are strong positive correlation, negative correlation, weak positive correlation, no correlation.
  
2.
  - (i) The line of best fit should not go through the origin, the y-intercept should be positive.
  - (ii) The line of best fit should have a negative gradient.
  - (iii) The relationship is not linear so it is not appropriate to draw a straight line of best fit.
  - (iv) There are two groups, each with little correlation so a line of best fit is not appropriate.
  
3.
  - (i) Strong positive correlation.
  - (ii) There might be two different types of car in the sample.