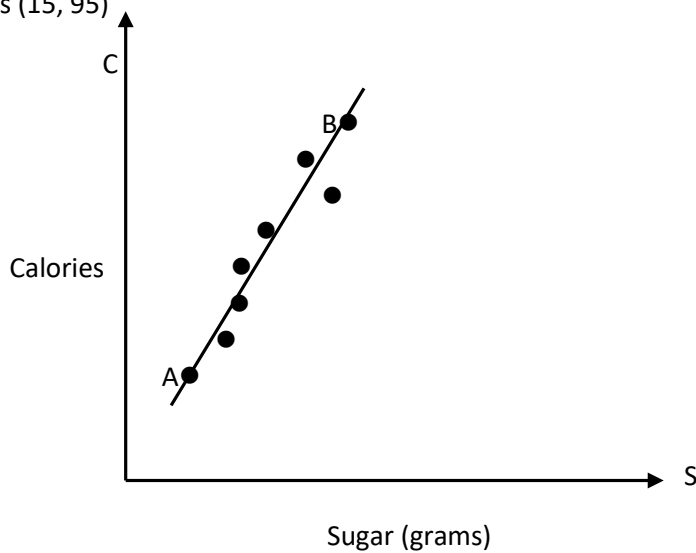
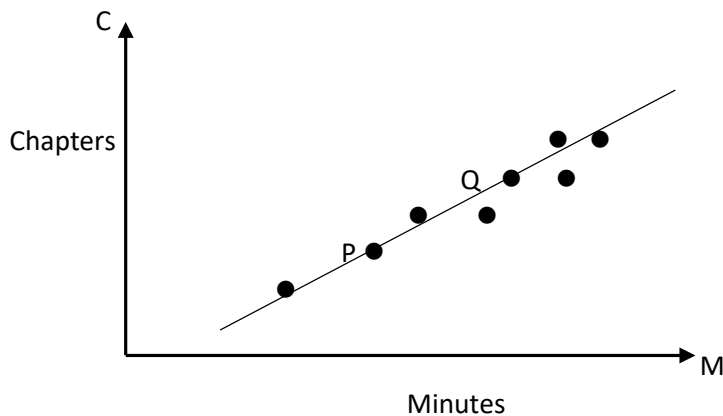


1. The graph below shows the relationship between the amount of sugar in grams, S , contained in fizzy drinks and the number of calories, C , they contain. Point A represents (6, 50) and point B represents (15, 95)



- Find the equation of the line of best fit **in terms of S and C** .
 - Use your equation to estimate the number of calories in a drink with 28 grams of sugar.
2. Repeat Question 1a if A represents (8, 42) and B represents (20, 96)
- Use your equation to estimate the number of calories in a drink with 32 grams of sugar.
3. The graph below shows the relationship between the number of minutes, M , spent reading a book, and the number of chapters, C , completed. Point P represents (6, 2) and point Q represents (27, 5).



- Find the equation of the line of best fit in terms of M and C .
 - Use your equation to estimate the number of chapters which can be read in 2 hours.
4. Repeat question 3a if P represents (32, 4) and Q represents (50, 10).
- Use your equation to estimate how many chapters could be read in 3 hours.