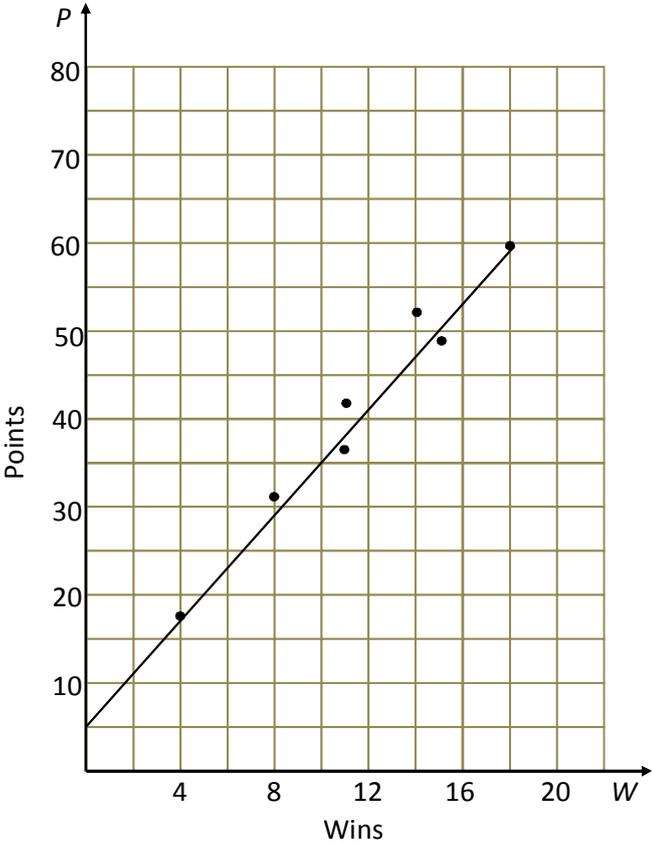




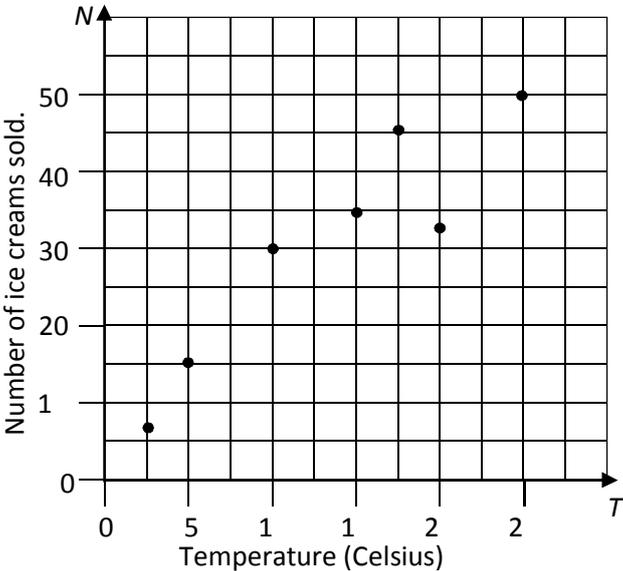
Scatter Graphs - Exam Type Questions

1. A selection of the number of games won and the total points gained by teams in the Scottish Premier League were plotted on this scattergraph and the line of best fit was drawn.



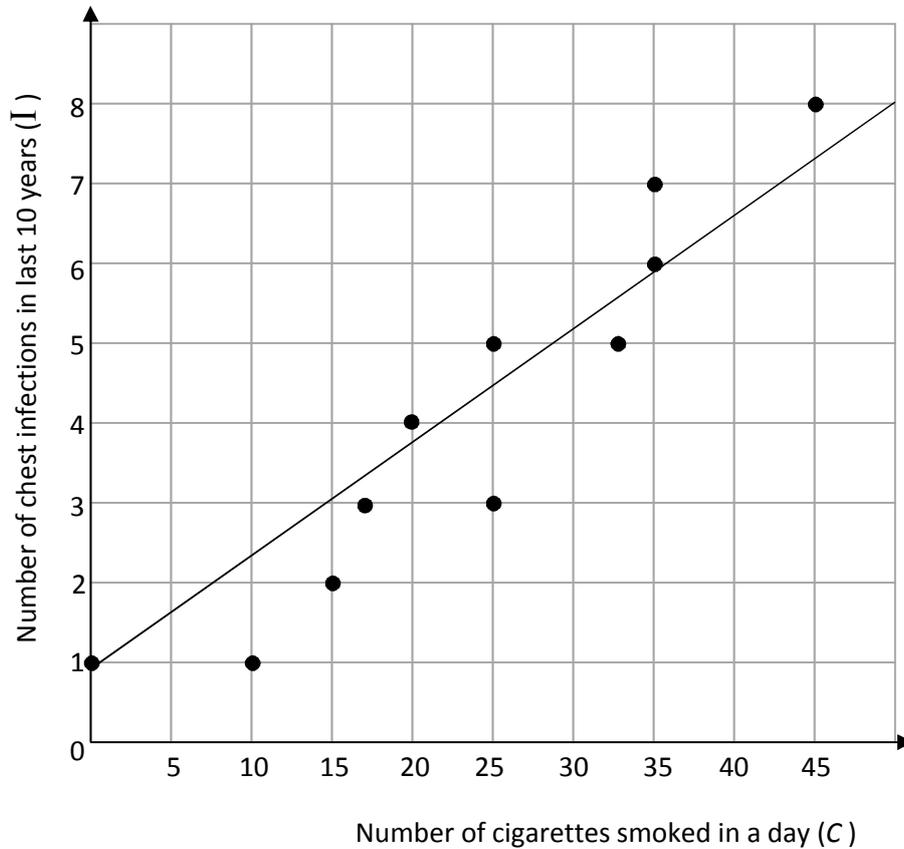
- (a) Find the equation of the line of best fit.
- (b) Use your equation to calculate the points gained by a team who won 27 matches.

2. The graph below shows the temperature and sales of ice cream for one week during the summer.



- (a) Make a copy of the graph and draw the line of best fit on it.
- (b) Find the equation of the best-fit line.

3. A group of smokers were asked how many cigarettes they smoked in a day and how many chest infections they had suffered in the last ten years. The results are shown in the scattergraph with the line of best fit drawn.



- (a) Comment on the correlation between the 2 sets of data.
- (b) Find the equation of the line of best fit.