

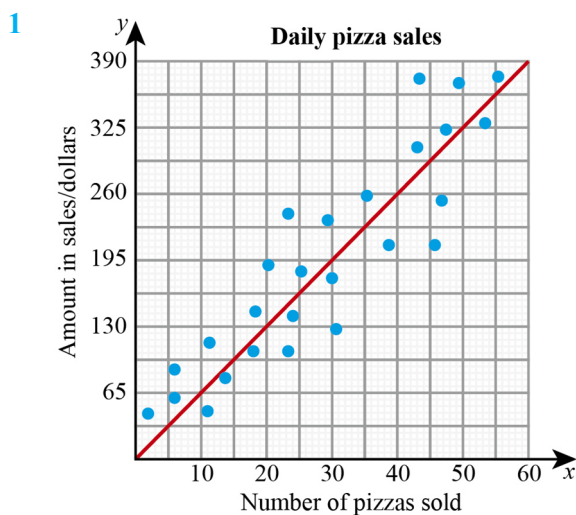
## 2 Functions

### Activity: Interpreting graphs (Teacher version)

#### Questions

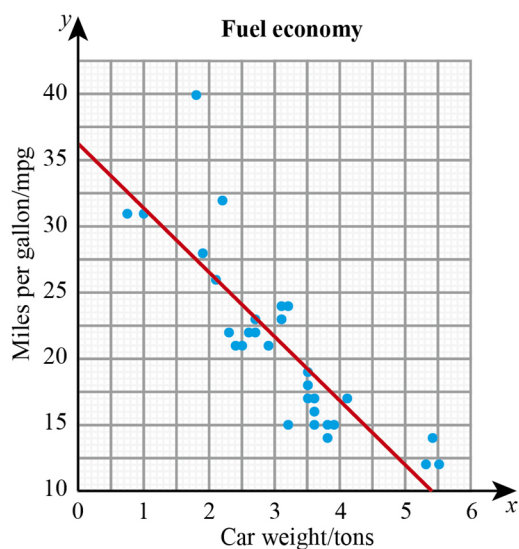
For each of the following graphs

- a calculate the equation of the line of best fit
- b interpret the meaning of the y-intercept
- c interpret the meaning of the gradient.



- a  $y = 6.5x$
- b No sales if no pizzas are sold.
- c The average sales are \$6.50 per pizza sold.

2

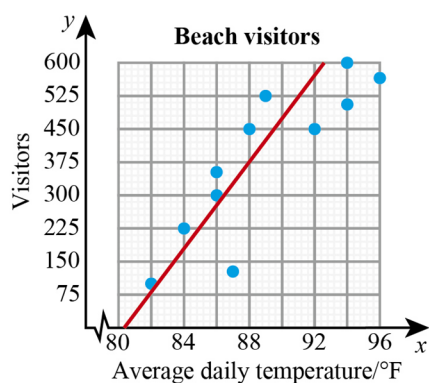


a  $y = -5x + 36.3$

b A car with no weight would give 36.3 miles per gallon.

c For each 1 ton increase in car weight, the fuel consumption decreases by 5.25 miles per gallon.

3



a  $y \approx 50x - 4025$

b When the temperature is 0 °F there will be -4025 visitors.

c The number of beach visitors increases by 50 for every 1 °F rise in temperature.