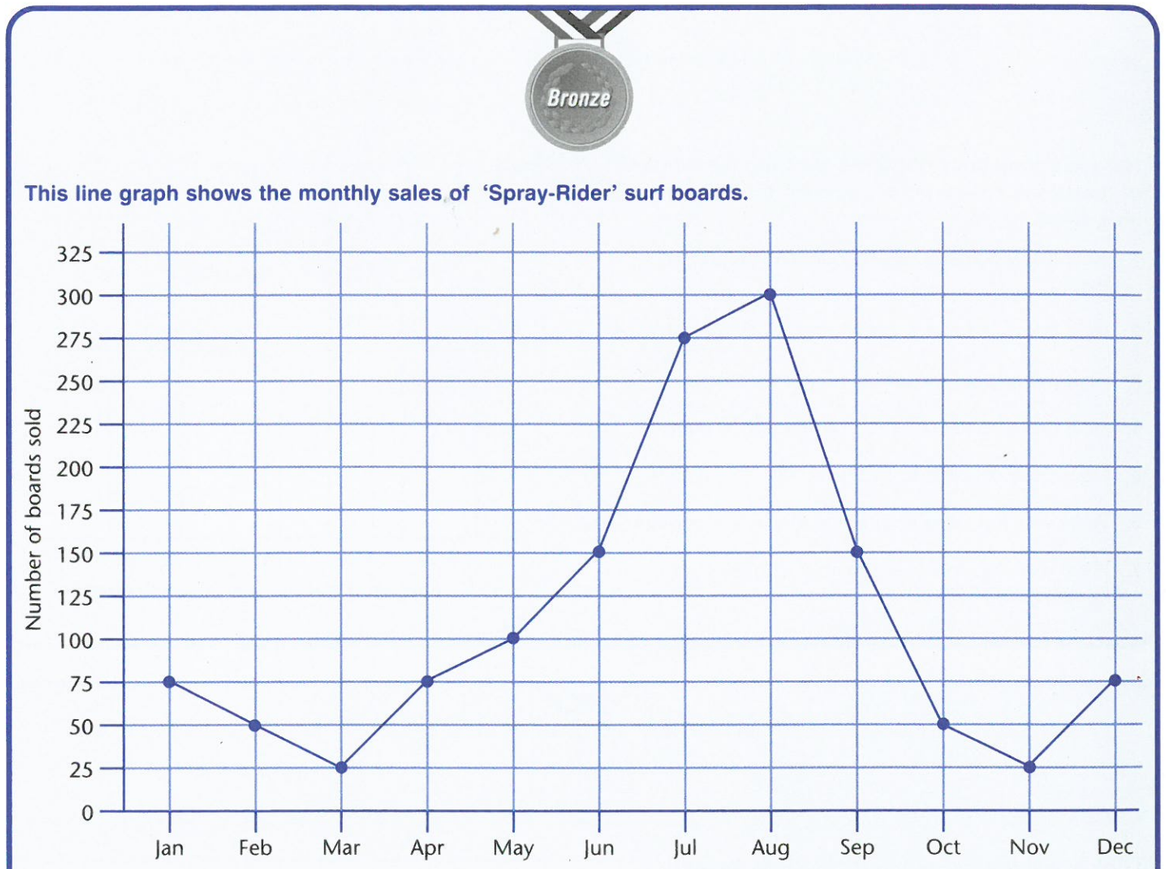
Line graphs

A graph with time on the x axis and numbers on the y axis is often shown with a line.
Sometimes the graph will show a set of points joined together by a line.
This shows how something is changing over a period of time.

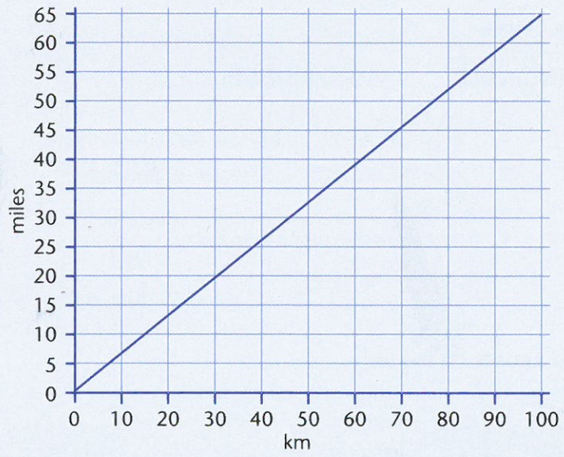


This line graph shows the monthly sales of 'Spray-Rider' surf boards.

1. In which month were most boards sold?
2. How many surf boards were sold in April?
3. Between which two months did sales first start to rise?
4. Which month do you think Spray-Rider boards were offered with a 75% discount?
5. How many more boards were sold in September than December?
6. Why might there have been more sales in December than November?

- **When reading graphs, go up from the x axis first to meet the line, and then read across from the y axis to read the value.**

This line graph is useful for converting miles to kilometres and vice versa.



Using the line graph, change these road signs from km to miles or miles to km.

1.

Brighton	20 miles
Lewes	15 miles
Eastbourne	5 miles

2.

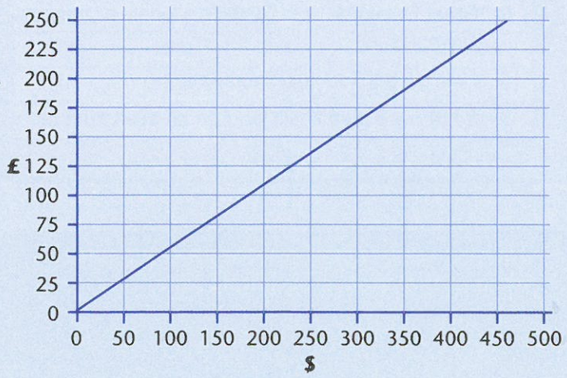
Bromley	35 miles
Central London	25 miles
Ashford	15 miles

3.

Manchester	40 km
Worsley	35 km
Chadderton	20 km

4.

Newcastle	50 km
Sunderland	18 km
Durham	4 km



The tourist rate for the USA is one pound to $1.85.

1. The Osborne family go on holiday to Wild World in Florida. They take £250 spending money. How many Dollars can they exchange that for?
2. Jack takes £80. How many Dollars can he exchange it for?
3. Kelly exchanges £120 for Dollars but only spends a third of them. How many pounds does she have after converting back her Dollars?
4. Jack is confused! He now has £30 in pounds and $30 in dollars. How much does he have altogether in pounds?