Year 5 Homework – 29th April 2022

Line Graphs

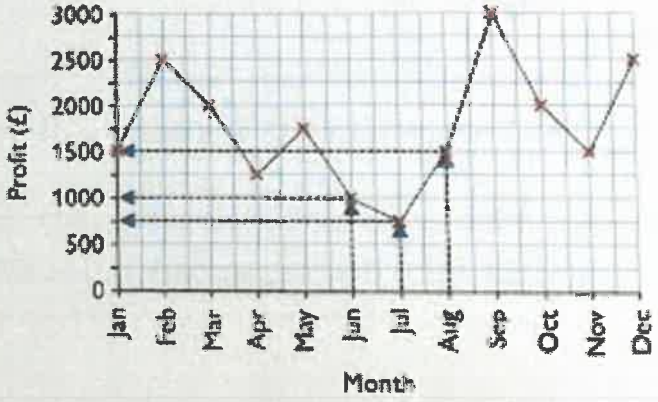
Line graphs can show how something changes over time.
You need to be able to solve sum, difference and comparison problems using line graphs.

Example

This line graph shows how much profit a shop made in each month of a year.

How much profit did the shop make in total in June, July and August?

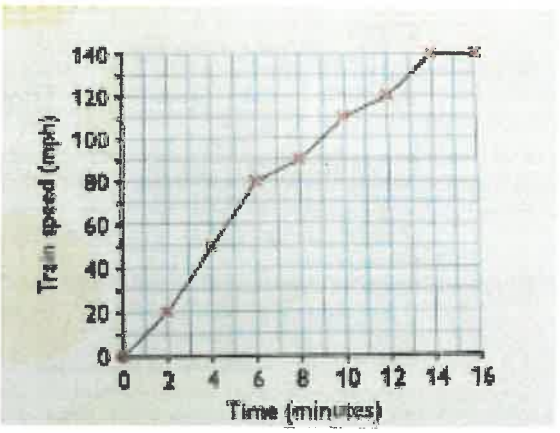
Read up from each month to the correct point, then read across to find the profit.



The shop made £1000 profit in June, £750 in July and £1500 in August.

So the shop made £1000 + £750 + £1500 = **£3250 profit** in total in June, July and August.

A train driver measures the speed of his train every 2 minutes. The line graph on the right shows his results.



1). How fast was the train going after 6 minutes?

_____

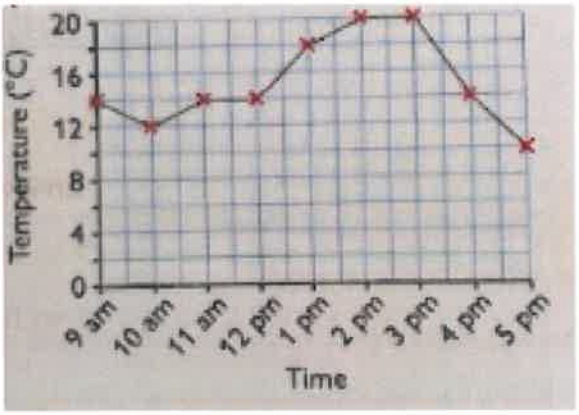
2). True or false? It took the train 12 minutes to reach 140mph.

_____

3). What is the difference between the train's speed after 4 minutes and 8 minutes?

_____

Kyle records the temperature outside his office over the course of the day. He shows the data in a line graph on the right.



1). At what time was a temperature over 16 degrees first recorded?

_____

2). What was the difference in temperature between 10am and 3pm?

_____

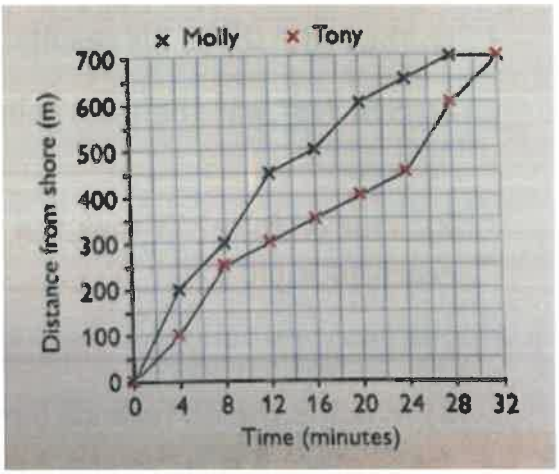
3). True or false? It was warmer at 4pm than at 10am.

_____

4). It was 8 degrees warmer inside Kyle's office than outside at 5pm. What was the temperature inside Kyle's office at 5pm?

_____

The line graph on the right shows how long it took Molly and Tony to swim away from the shore.



What number is missing from each sentence?

1). Molly had swum ____m after 4 minutes.

2). It took Tony ____minutes to swim 600m.

3). How far did Tony swim between 4 and 8 minutes? _____

4). What is the total distance that Molly and Tony had swum after 12 minutes?

_____