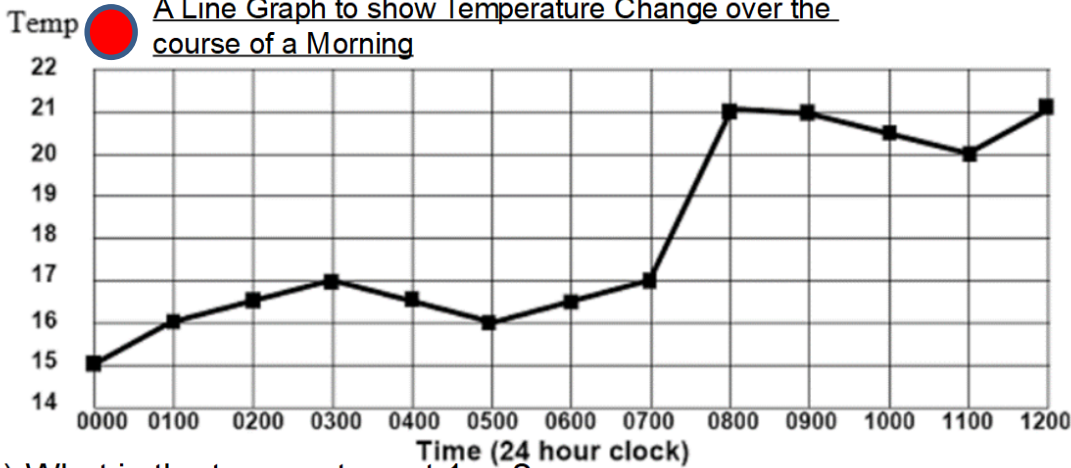


This week and next in Maths we will be interpreting line graphs. For homework, choose either the red or blue task (whichever is the most appropriate) to build on your skills in this area.

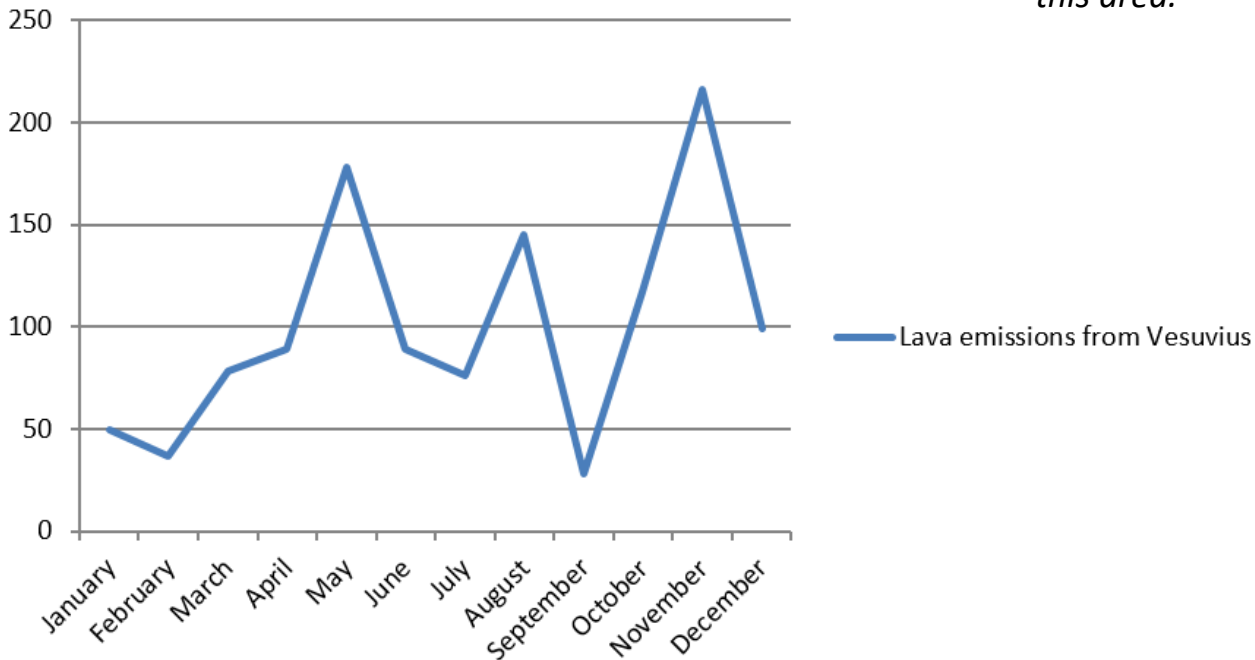
WALT: Interpret Line Graphs

A Line Graph to show Temperature Change over the course of a Morning



- 1) What is the temperature at 1am?
- 2) What is the temperature at 7am?
- 3) What is the temperature at 10am?
- 4) How much does the temperature change between 11am and 12pm?
- 5) How much does the temperature change between 3am and 5am?
- 6) What is the temperature change between 8am and 10am?
- 7) Between which times (hours) is there the biggest change in temp?
- 8) What do you think the temperature will be at 1pm (explain your answer)?

Lava emissions from Vesuvius



- 1) In how many months was the lava production over 100?
- 2) How much more lava was produced in November compared to March?
- 3) What was the total amount of lava produced in May, July and November?
- 4) What was the greatest rise in lava production?
- 5) In which two months did the volcano produce the same amount of lava?
- 6) What is the total amount of lava produced for the year?
- 7) What is the range of lava production?

Challenge. If you would like a challenge, have a go at creating a line graph using the data provided for temperature change over time.

WILF:

Sensible scale

Accurate plotting of points

X axis labelled

Y axis labelled

Title for graph

| Time (minutes) | Temperature (°C) |
|----------------|------------------|
| 0 | 16 |
| 1 | 23 |
| 2 | 32 |
| 3 | 43 |
| 4 | 54 |
| 5 | 60 |
| 6 | 68 |
| 7 | 75 |
| 8 | 80 |
| 9 | 86 |
| 10 | 91 |