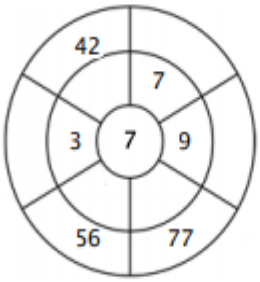
Year 5 Numeracy
Day 1 Week 1

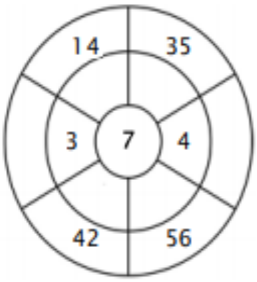
Statistics

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

7 times tables starter

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.



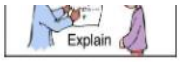


Interpreting Line Graphs

Today we will be looking at line graphs: why we use them, what key features they require and what we can interpret from the data shown within them.

https://classroom.thenational.academy/lessons/interpreting-line-graphs-cmr3ec

Main Tasks Day 1

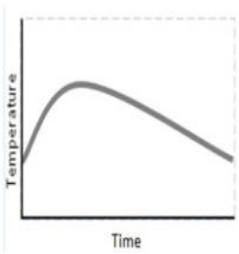


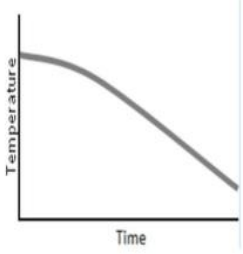
Can you match the statements with the line graphs?

The temperature stayed the same all day

The temperature decreased across the day

The temperature increased and then decreased





In the morning the temperature decreased slowly

In the morning the temperature stayed the same

In the morning the temperature increased

In the afternoon the temperature decreased more quickly

In the afternoon the temperature stayed the same

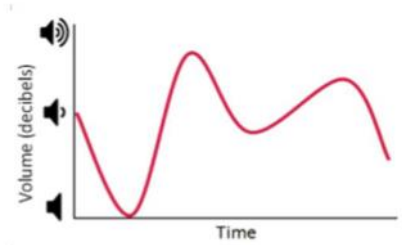
In the afternoon the temperature decreased

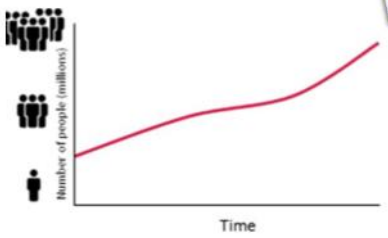
Independent Task: Let's have a go

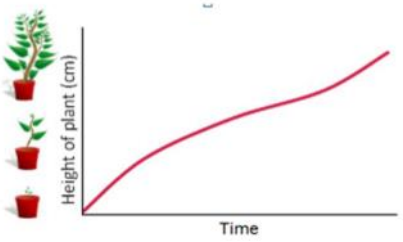
Look at the four different line graphs

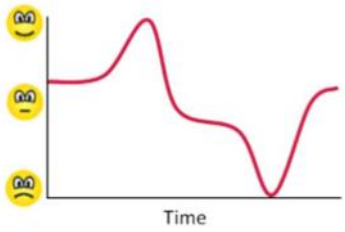
What information is being presented?

Create a title and a suitable story for each graph.









Year 5 Numeracy
Day 2 Week 1

Statistics

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

7 times tables starter

Exercise 1:

Draw a line connecting the multiplcation expression with the correct product.

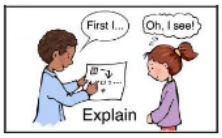
6 x 7	35
12 x 7	42
4 x 7	28
1 x 7	56
11 x 7	49
3 x 7	14
7 x 7	77
8 x 7	7
5 x 7	84
2 x 7	21

Interpreting and reading Line Graphs

Today we will learn to read line graphs accurately in order to make factual statements based on the information displayed.

https://classroom.thenational.academy/lessons/reading-and-interpreting-line-graphs-cgtkad

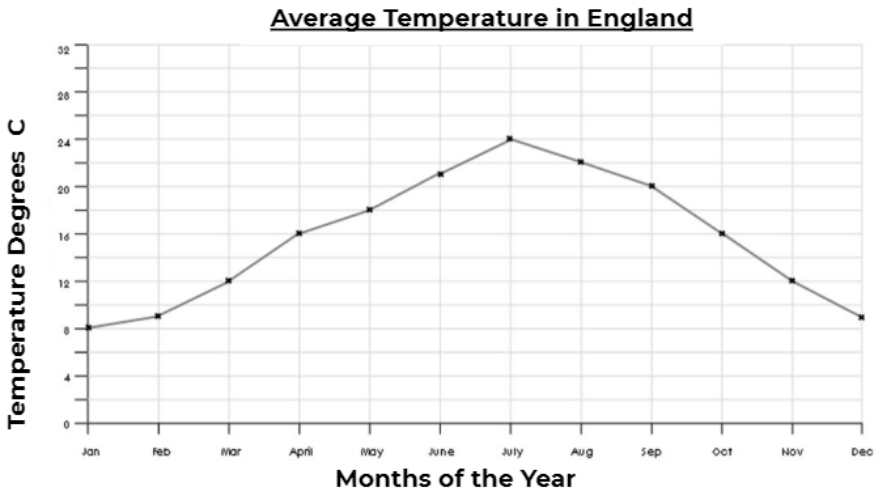
Main Tasks Day 2



Talk Task

Use the line graph to correctly complete the table below?

Can you think of three factual statements you can make about the line graphs?



Time	Jan	Feb	Mar	April	May	June	July	Aug	Sep	Oct	Nov	Dec
Temperature	8											

Read the line graph carefully and answer the questions below

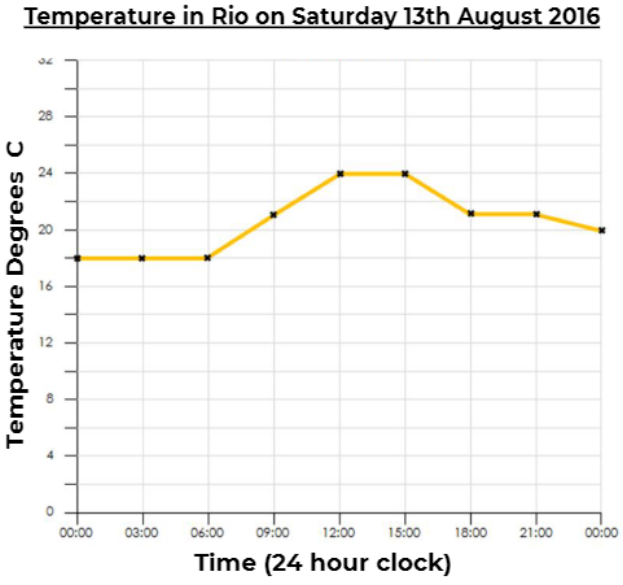
1) How do you know that between 12 p.m. and 3 p.m. was the hottest time of the day?

2) The temperature decreases across the morning, reaching a low of 24 degrees between 12:00 and 15:00. It then increases through the evening and finishes at a lower temperature than the night before.

Is this statement True? Correct any errors you can see.

3) Between which time intervals does the temperature increase the most?

4) Sketch a graph showing your predictions for the week between the Saturdays.

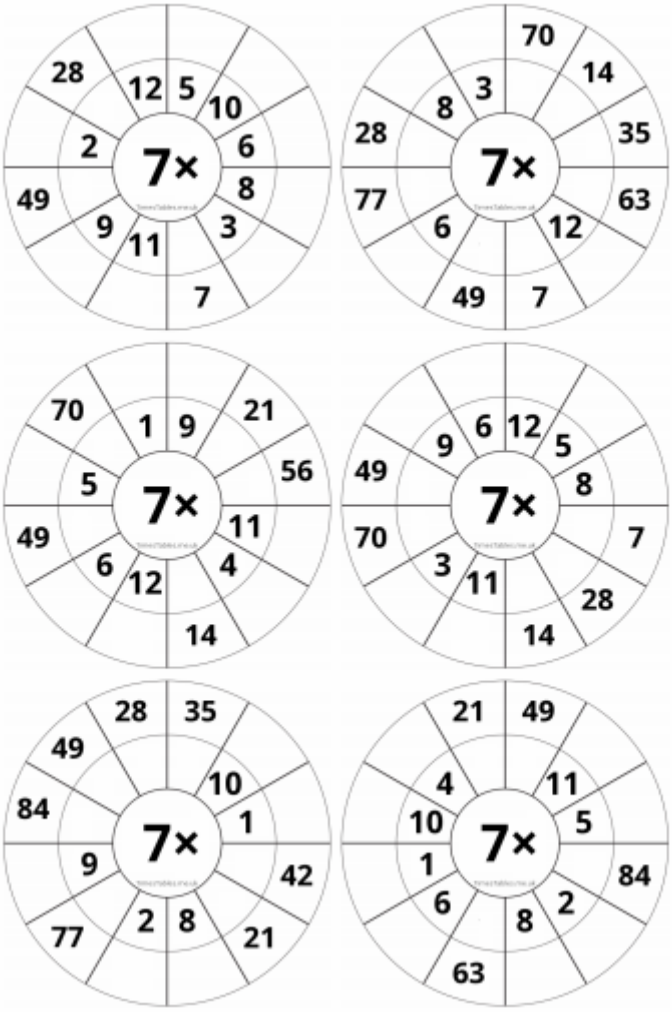


Year 5 Numeracy
Day 3 Week 1

Statistics

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

7 times tables starter



Interpreting and reading Line Graphs

Today we will be learning how to accurately read a line graph to obtain the correct information. We will also be looking how a different scale on the Y-axis can change appearance of the data line.

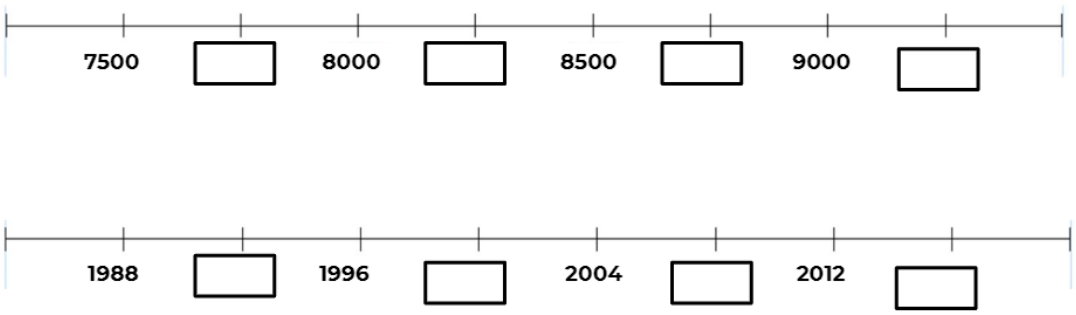
https://classroom.thenational.academy/lessons/reading-scales-on-a-line-graph-6wuk0t

Independent Tasks

Task one

Reading scales - Intervals

Fill in the empty boxes with the correct intervals



Task Two

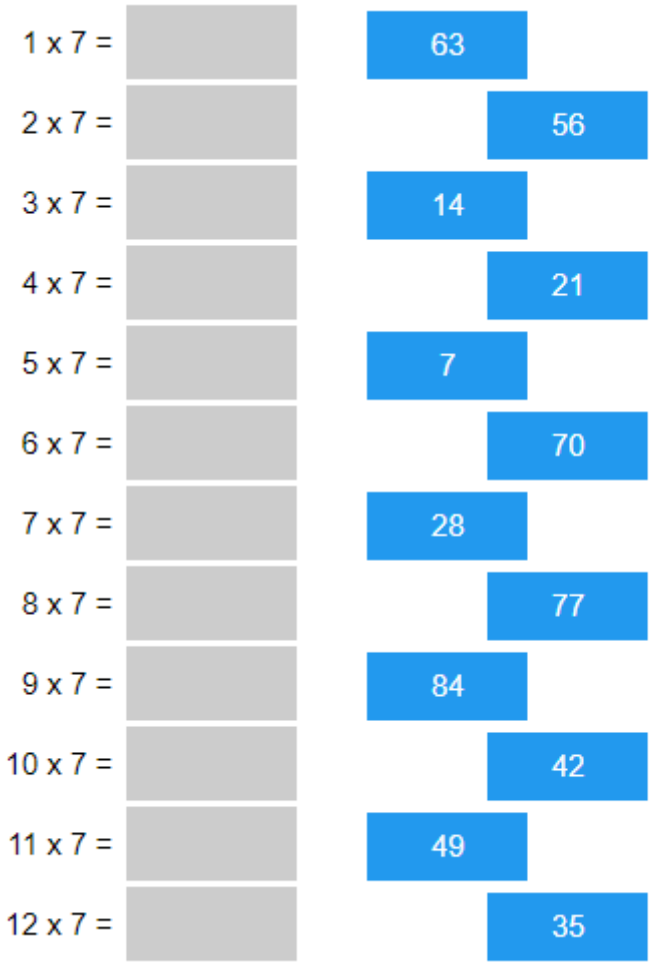
Use the information from the graph to answer the following questions
(see larger version of graph on next slide!)

1) What was the approximate **altitude** of the plane at these times:
   a) **3 hours after** take off
   b) **30 minutes before** the plane landed
   c) **Halfway** through the flight
2) What was the **greatest height** reached by the plane?
3) The pilot had to **lower the plane** to avoid a storm. When did this happen and by **how much** was the plane lowered?
4) What is the possible story for this flight - include information from the graph in your story.
5) What questions can you generate that can be answered by the graph?

Year 5 Numeracy
Day 4 Week 1
Statistics

Each day complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

7 times tables starter
Draw a line to connect to the correct answer



Viridis Schools The Federation of Orchard Primary School, Southwold Primary School, Hoxton Garden Primary School

Tables and Line Graphs

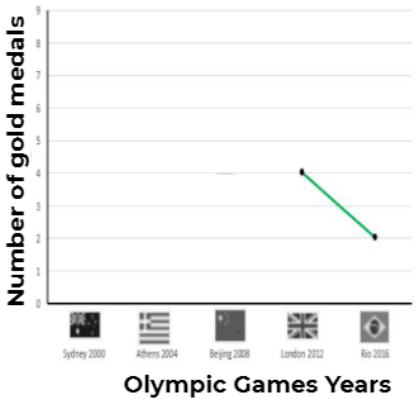
Today we will compare and interpret different line graphs using the same axes and complete missing data points and values on both line graphs and tables.

https://classroom.thenational.academy/lessons/tables-and-line-graphs-6xgk0t

Independent Task

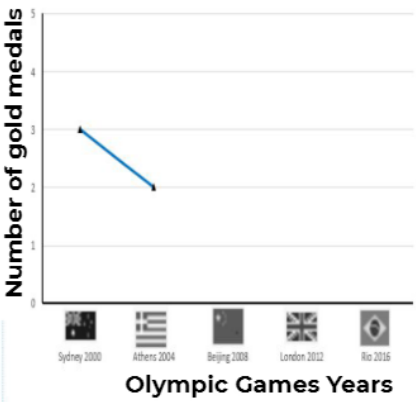
1. Complete the tables and line graphs for both sets of data
2. Use the data from both graphs to answer the questions.
3. Extension - Create 3 factual statements about each graph

Team GB gold medals in Athletics



Team GB gold medals in athletics		
Olympic games	Year	Number of gold medals
Sydney	2000	2
Athens	2004	3
Beijing	2008	1
London	2012	
Rio	2016	

Team GB gold medals in Sailing



Team GB gold medals in sailing		
Olympic games	Year	Number of gold medals
Sydney	2000	
Athens	2004	
Beijing	2008	4
London	2012	1
Rio	2016	2

Questions - Read carefully

For each set of data, answer these questions.
Then generate three factual statements about the data.

1) What is the total number of gold medals won in the sport since 2000?

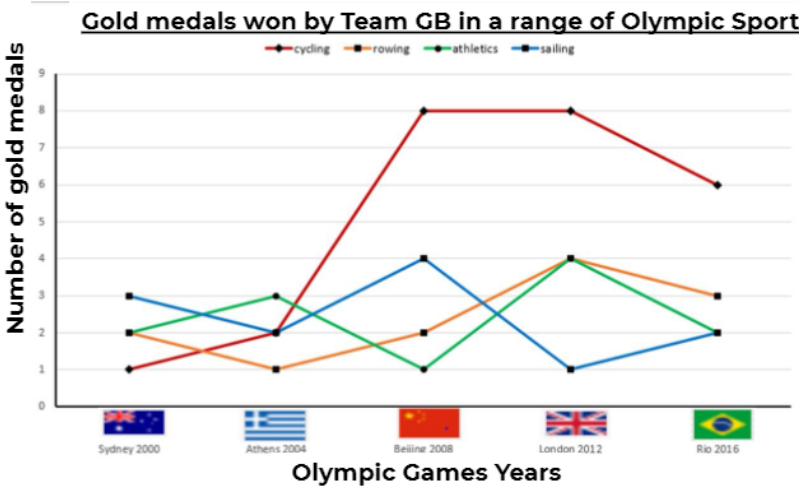
2) In which year did the team improve the most?

3) What do you predict for Tokyo 2020 and why?

4) What can you say about comparing the number of medals won in 2016 to the number in 2012?

Challenge Slide

Don't forget to pause the video if you want to have a go!



What was the total number of medals won by Team GB at all five Olympic Games?

Which year was the most successful year for Team GB and why?

What was the average number of medals won in each sport for the past five Olympic Games? You may round to the nearest whole number.

Year 5 Numeracy
Day 5 Week 1

Statistics

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7 times tables starter

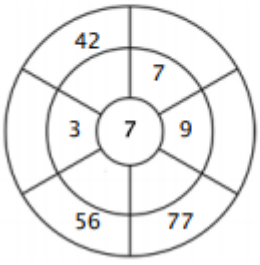
Exercise 1:

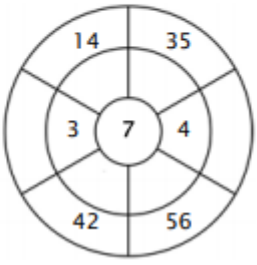
Color in all of the boxes that are the solutions of this time table.

35	70	14	28	3
65	44	77	9	14
77	56	1	70	42
56	19	37	7	22
49	28	35	63	33

Exercise 2:

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.





Constructing a line graph

Today we will be constructing our very own line graphs and presenting different data. We will then be able to interpret and compare the data presented to answer questions and create a series of factual statements

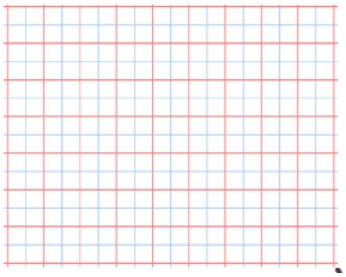
https://classroom.thenational.academy/lessons/constructing-a-line-graph-6gv38r

Independent Task

1. **Construct a line graph with all required features.**
2. **Present the data on your line graph from both tables below**
3. **Create four factual sentences which compare both sets of data**

Olympic medals won by Australia					
1996 Atlanta	2000 Sydney	2004 Athens	2008 Beijing	2012 London	2016 Rio
9	16	17	14	8	8

Olympic medals won by Team GB					
Atlanta 1996	Sydney 2000	Athens 2004	Beijing 2008	London 2012	Rio 2016
1	11	9	19	29	27



You can use the template on the next page or draw it yourself. If you do please use a ruler.

Challenge Slide

Don't forget to pause the video if you want to have a go!

Olympic medals won by Australia					
1996 Atlanta	2000 Sydney	2004 Athens	2008 Beijing	2012 London	2016 Rio
9	16	17	14	8	8

Olympic medals won by Team GB					
Atlanta 1996	Sydney 2000	Athens 2004	Beijing 2008	London 2012	Rio 2016
1	11	9	19	29	27

1) **How many Gold Medals did both countries win altogether?**

2) **What was the range of gold medals for both countries?**

3) **Which year was the most successful and least successful for both countries combined?**