Year 6 – Summer Block 3 – Statistics – Draw Line Graphs

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 6: (6S1) Interpret and construct pie charts and line graphs and use these to solve problems

More Year 6 Statistics resources.

Did you like this resource? Don't forget to review it on our website.

Hi Year 6 – It's Thursday 7th May. Don't forget that it's a Bank Holidy tomorrow, no this is the last day of work for this week. We will be setting more work on Monday though, so don't panic!
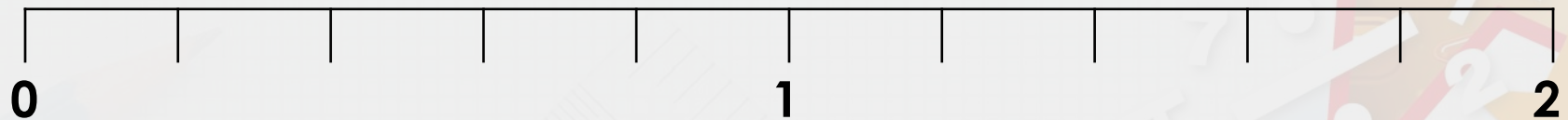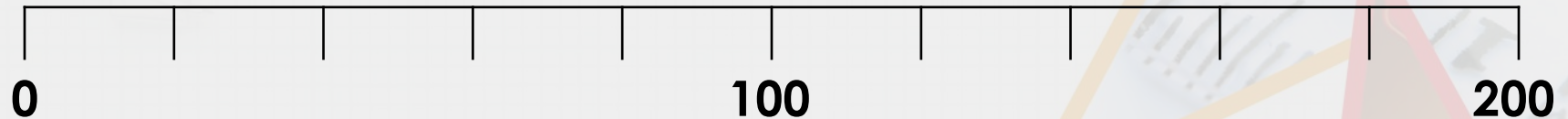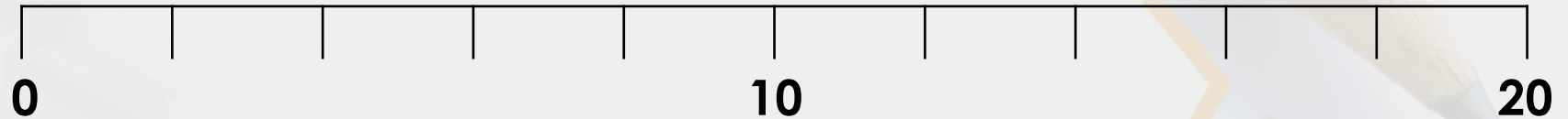
Part 1

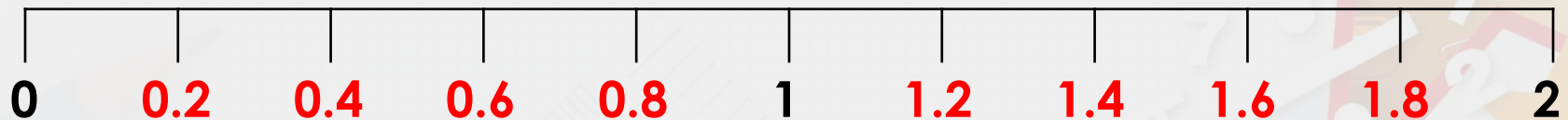# WALT Draw Line Graphs

See my notes in green to help you.

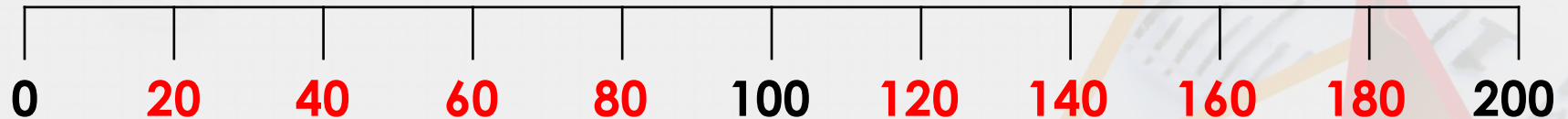# What is each increment worth on these scales?

0   10   20

0   100   200

0   200   300

0   1   2

What is each increment worth on these scales? *Remember that increments on scales need to be equal.*
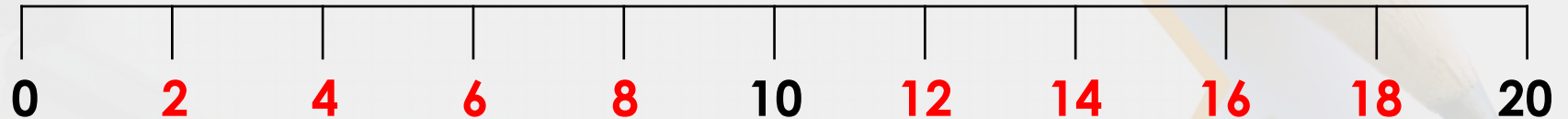
| 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |

| 0 | 20 | 40 | 60 | 80 | 100 | 120 | 140 | 160 | 180 | 200 |

| 0 | 40 | 80 | 120 | 160 | 200 | 240 | 280 | 220 | 260 | 300 |

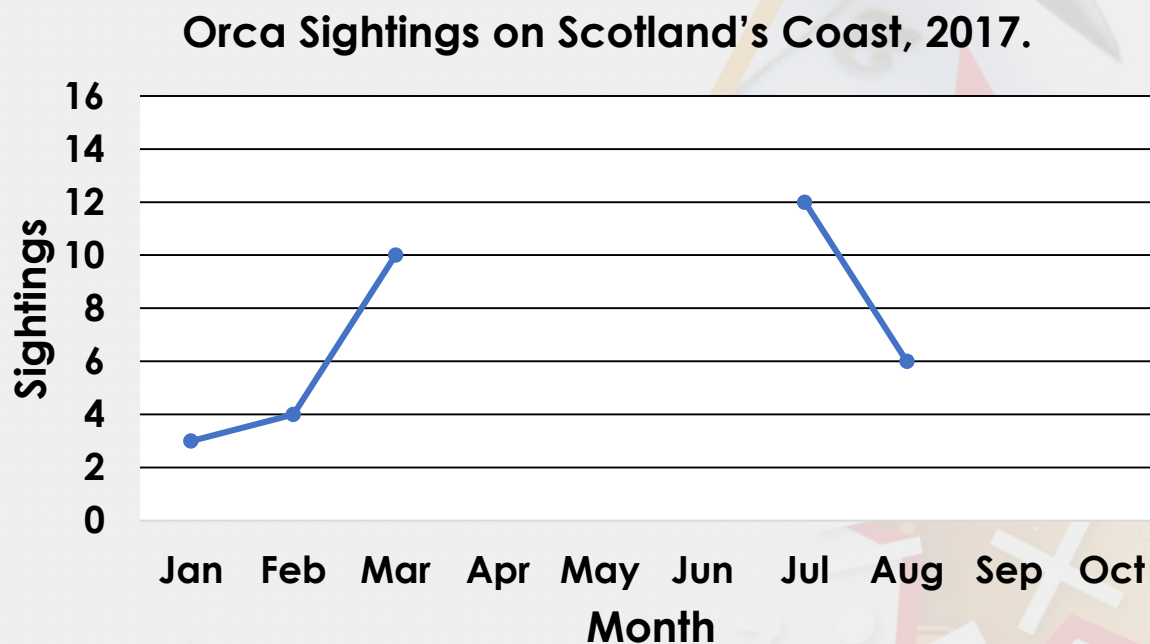| 0 | 0.2 | 0.4 | 0.6 | 0.8 | 1 | 1.2 | 1.4 | 1.6 | 1.8 | 2 |

The table and line graph show orca sightings during a 10 month period on the coast of Scotland in 2017. Plot the missing information in the line graph and table below.

Month	Sightings
Jan	3
Feb	4
	10
	15
May	14
	12
Jul	
Aug	
	3
	5

Orca Sightings on Scotland's Coast, 2017.

The table and line graph show orca sightings during a 10 month period on the coast of Scotland in 2017. Plot the missing information in the line graph and table below.
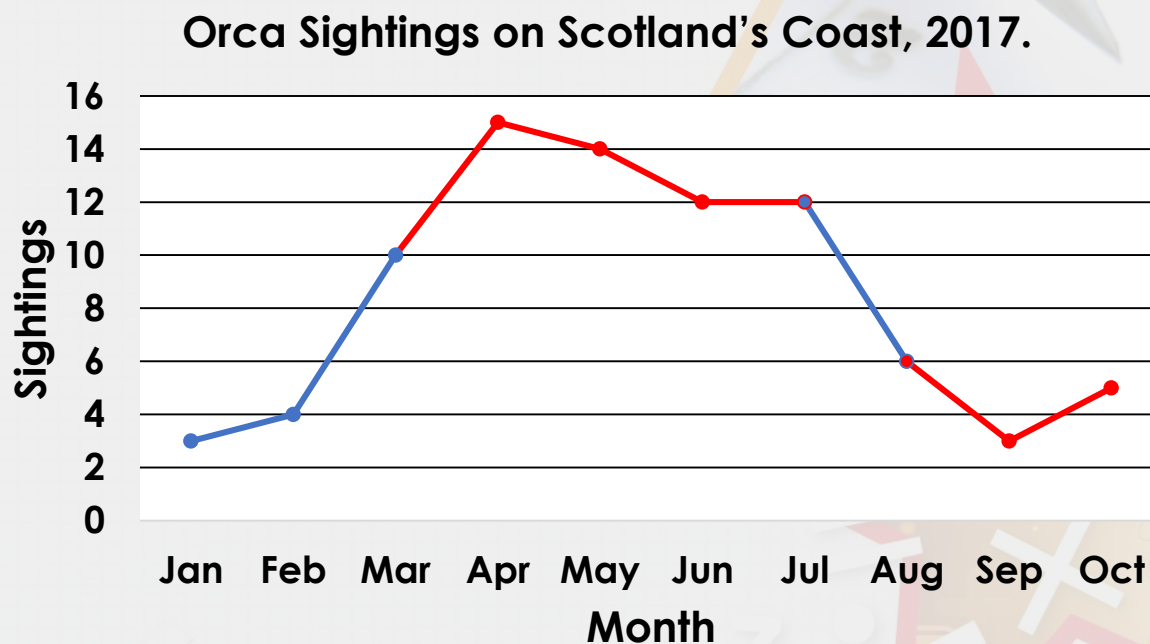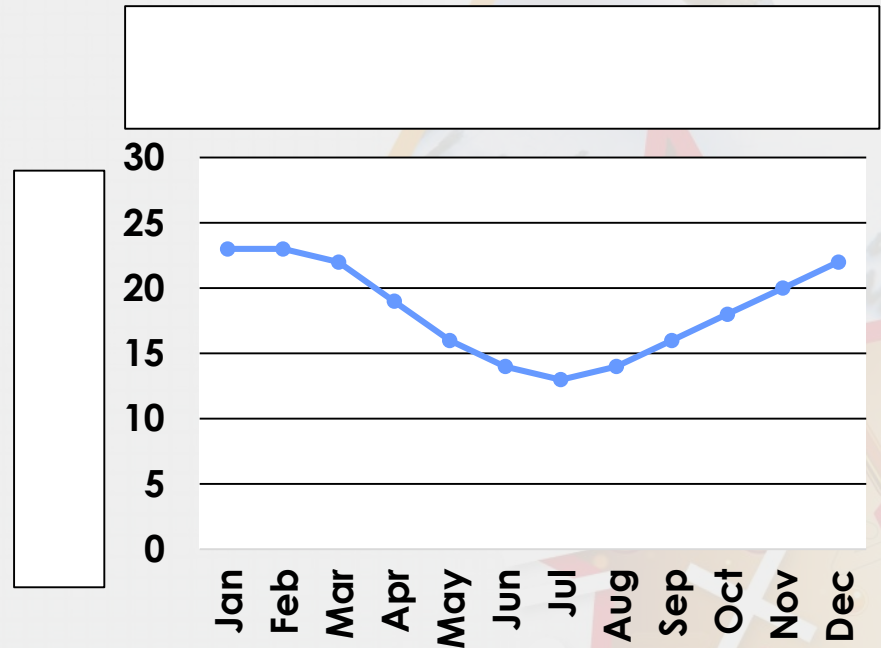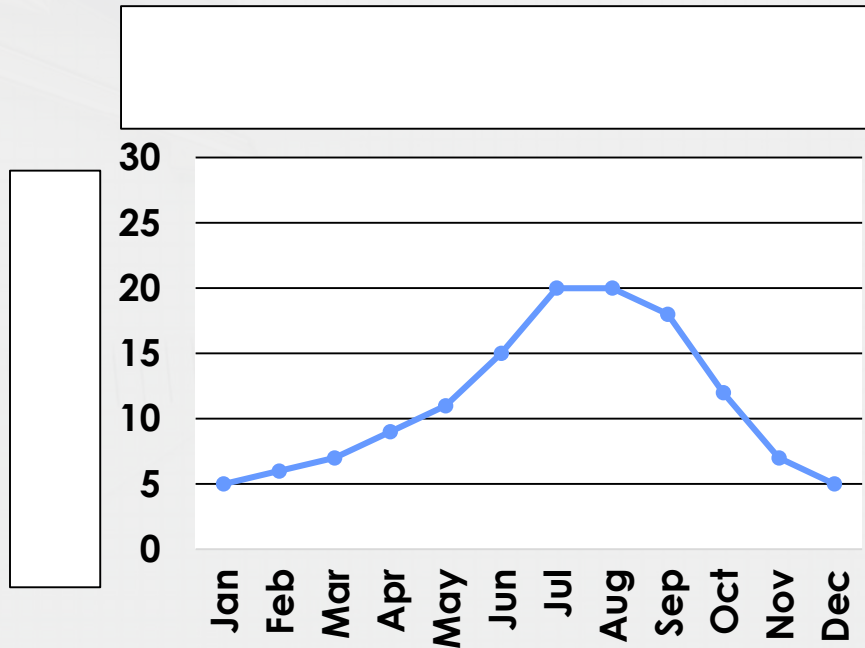
Month	Sightings
Jan	3
Feb	4
Mar	10
Apr	15
May	14
Jun	12
Jul	12
Aug	6
Sep	3
Oct	5

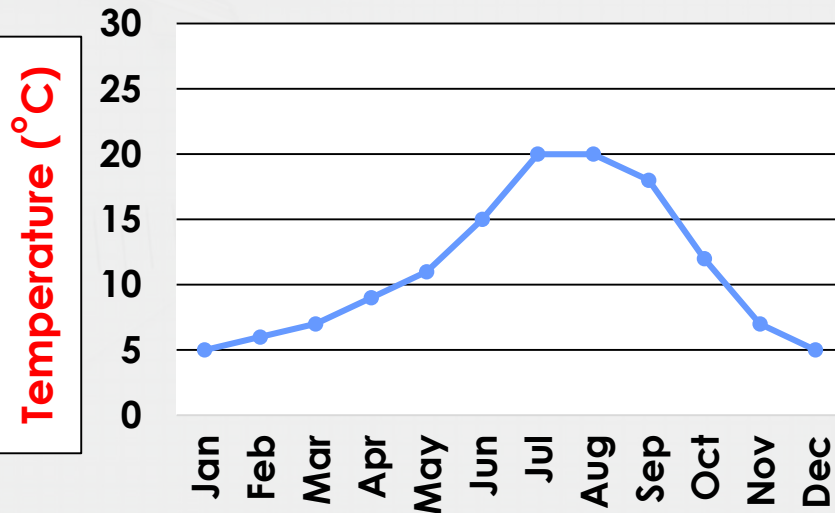Orca Sightings on Scotland's Coast, 2017.

CLASSROOM Secrets

The line graphs below show the average midday temperature in Paris, France and Sydney, Australia. Fill in the missing axes and titles.
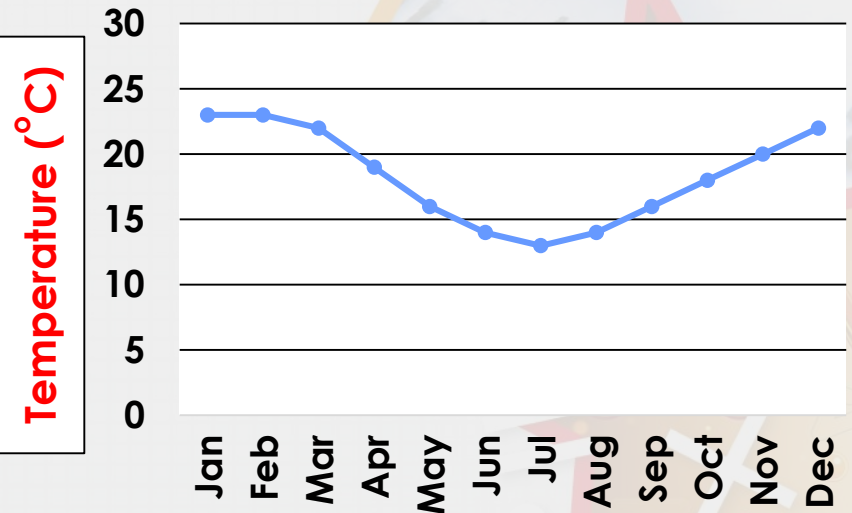
Varied Fluency 2

The line graphs below show the average midday temperature in Paris, France and Sydney, Australia. Fill in the missing axes and titles.

Average Midday Temperature in Paris, France.

Temperature (°C)

30
25
20
15
10
5
0

Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec

Month

Average Midday Temperature in Sydney, Australia.

Temperature (°C)

30
25
20
15
10
5
0

Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec

Month

The table shows how many cups of tea were consumed in an office for a week. Create a line graph to represent this data. A template is provided below.

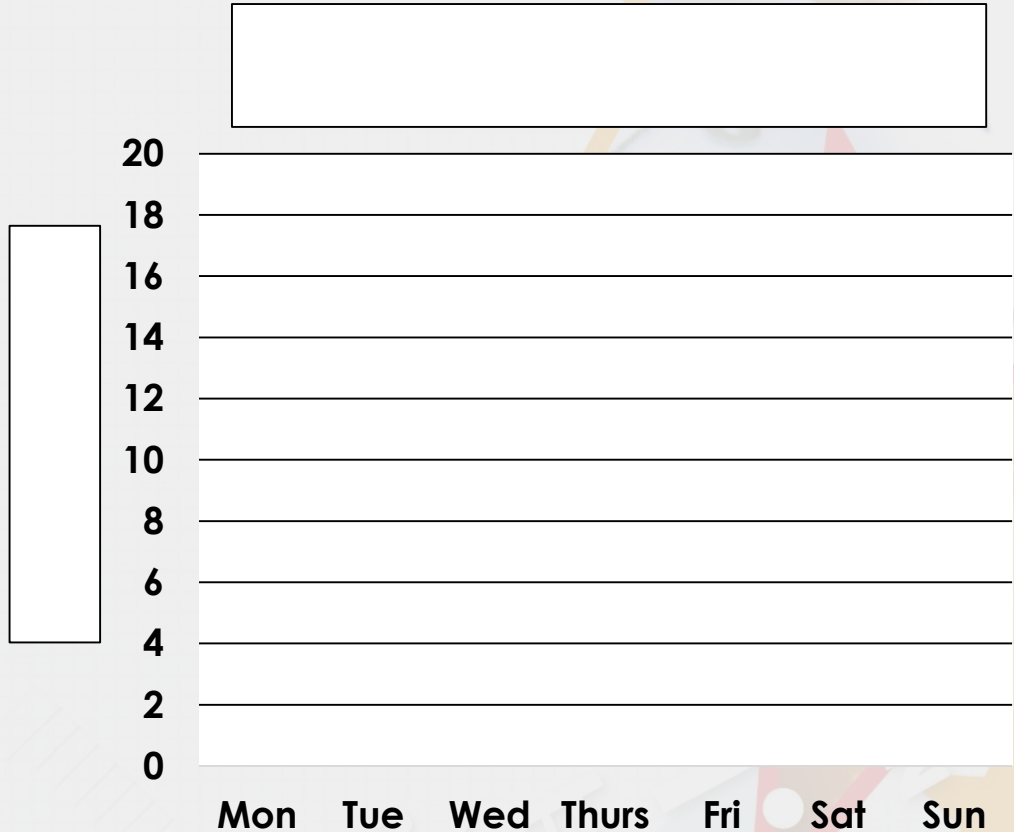| Day	Cups of Tea
Mon	12
Tue	19
Wed	7
Thurs	14
Fri	12
Sat	2
Sun	0

20
18
16
14
12
10
8
6
4
2
0

Mon   Tue   Wed   Thurs   Fri   Sat   Sun

The table shows how many cups of tea were consumed in an office for a week. Create a line graph to represent this data. A template is provided below.
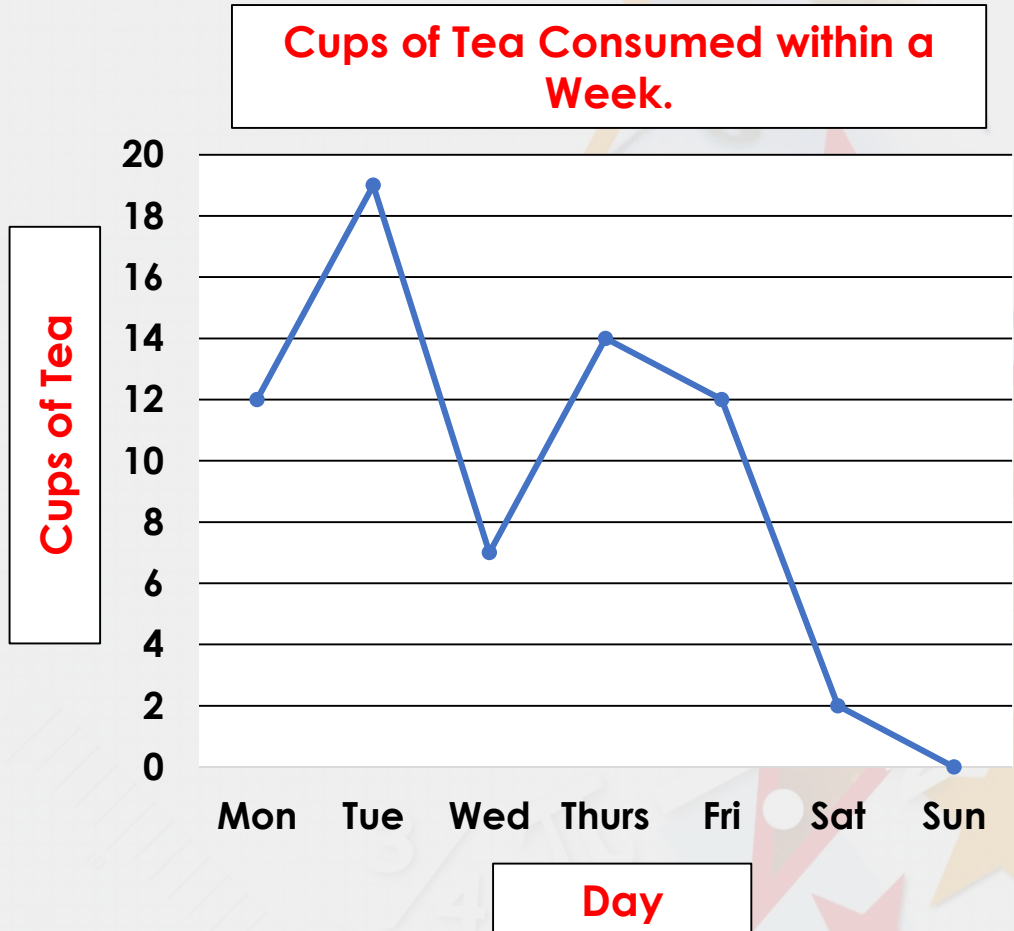
Day	Cups of Tea
Mon	12
Tue	19
Wed	7
Thurs	14
Fri	12
Sat	2
Sun	0

Cups of Tea Consumed within a Week.

Well done! It's over to you now.

Go to Part 2 and choose your challenge! Normal rules apply: page 1 will give you an easier challenge, page 2 will be about the same as what we've just practised and page 3 will be more of a stretch.

You only need to do the first three questions on your chosen challenge – the ones on the left-hand side. If you want extra practice, you can then do the three questions on the right hand side of your chosen challenge page. When you finish, don't forget to mark your answers before sharing, so I can see where you need help.