Year 6 Home Learning – Maths Week 7

Arithmetic Practice – Set a 5 minute timer to complete the 5 questions in each section. You don't have to do all 25 questions in 5 minutes! You can do one section per day or do all at once – but make sure you set your timer for 25 minutes instead! If you have forgotten a method, let me know and I will create a short video to help you remember!

A

1. $\frac{4}{5} - \frac{1}{5} = \frac{3}{5}$
2. 340 + 290 = 630
3. 194,849 + 3,843,483 = 4,038,332
4. 1,131 ÷ 29 = 39
5. 660 ÷ 220 = 3

B

1. $\frac{2}{3} + \frac{1}{12} = \frac{9}{12}$
2. 86.32 + 7.493 = 93.813
3. 810 ÷ 90 =9
4. 2,296 ÷ 41 = 56
5. 980 + 130 = 1,110

C

1. 983,483 – 894,674 = 88,809
2. 890 + 130 = 1,020
3. 880 x 70 = 61,600
4. $\frac{5}{6} + \frac{1}{3} = 1\frac{1}{6}$
5. 596 x 3 = 1,788

D

1. $\frac{3}{4} - \frac{1}{8} = \frac{5}{8}$
2. 983,493 + 893,983 = 1,877,476
3. 900 x 300 = 270,000
4. 4,496÷ 8 = 562
5. 450 + 3,400 = 3,850

E

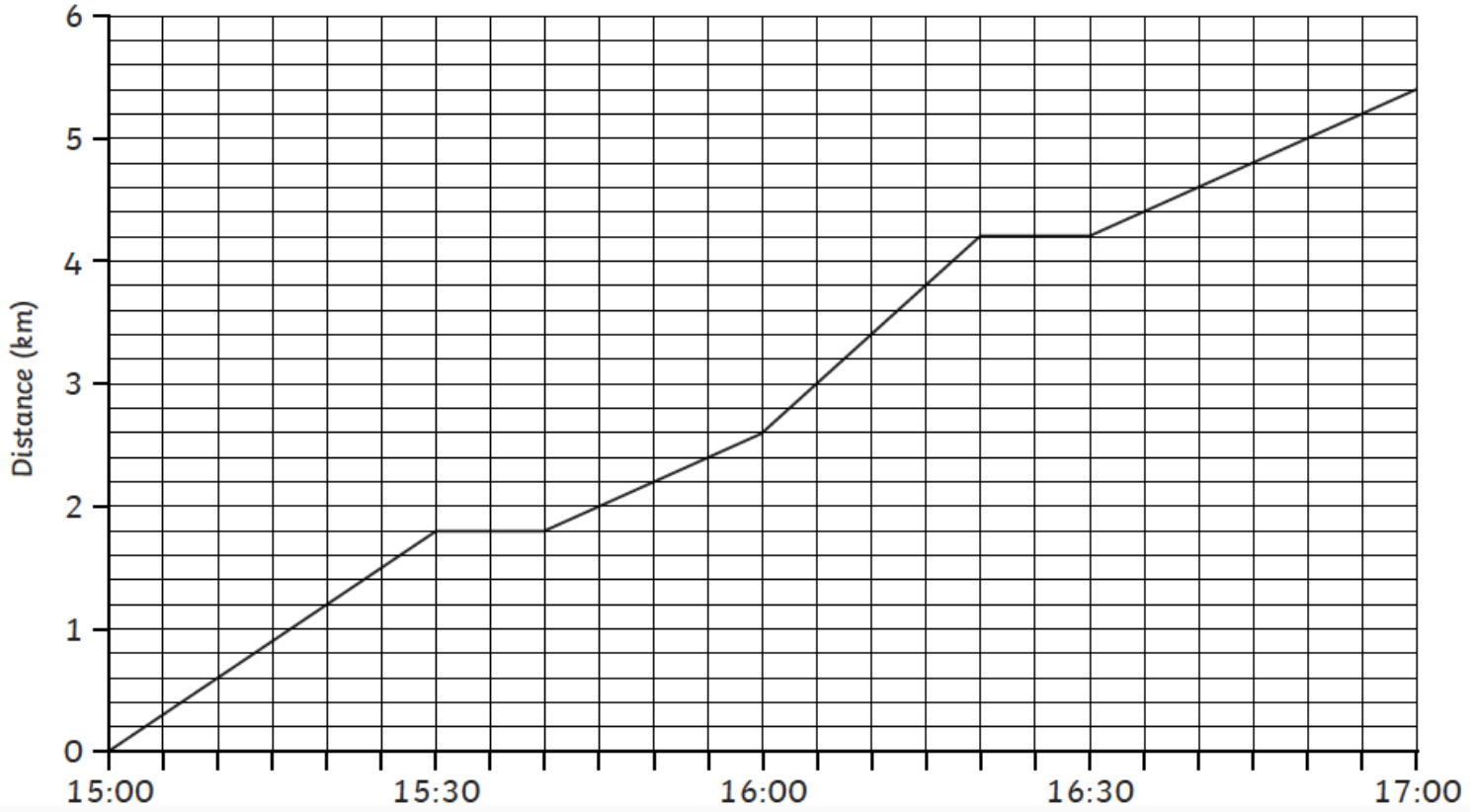
1. 5,600 – 1,420 = 4,180
2. 98.6 – 11.873 = 86.727
3. 7 x 527 = 3,699
4. $\frac{5}{7} - \frac{1}{14} = \frac{9}{14}$
5. 30 x 60 = 1,800

Lesson 1

Here is a table of data showing how far Rhys cycled over two hours.

Time (24-hour clock)	15:00	15:10	15:20	15:30	15:40	15:50	16:00	16:10	16:20	16:30	16:40	16:50	17:00
Distance (km)	0	0.6	1.2	1.8	1.8	2.2	2.6	3.4	4.2	4.2	4.6	5	5.4

A Line Graph to Show How Far Rhys Cycled over Two Hours



Use the line graph that Rhys made with this data to answer the questions:

1) How far had Rhys cycled by 15:55?

2.4km

2) How many minutes did it take Rhys to cycle 3.4km?

70 minutes

3) At what time did Rhys stop cycling to have his first rest?

15:30

4) How many km did Rhys cycle from 15:45 to 16:05?

1km

5) How many km did Rhys cycle from 16:05 to 16:20?

1.2km

6) How many minutes did it take Rhys to cycle from 2km to 3km?

20 minutes

7) How many minutes did it take Rhys to cycle from 3.4km to 5.4km?

50 minutes

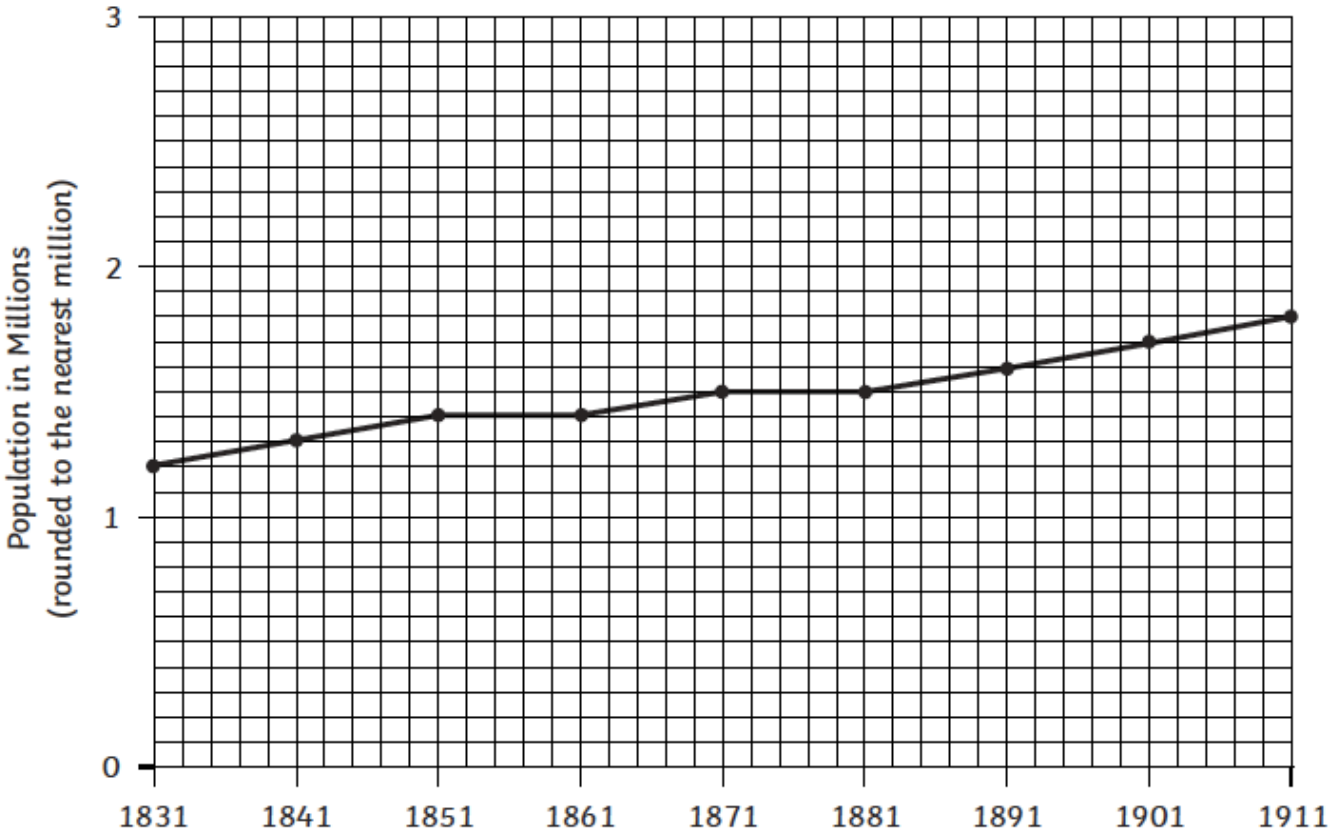
8) How many minutes did Rhys rest for at 4.2km?

10 minutes

Lesson 2

Draw a line graph to show the data:

A Line Graph to Show *the Population of Twinkl-land from 1831 to 1911*



Use your line graph to answer these questions:

1. What was the population of Twinkl-land in 1831? *1.2 million*	2. In which decades does the graph show that the population of Twinkl-land stayed the same? *1851-1861 and 1871-1881*	3. Using the line on the graph, what do you estimate the population to have been in 1876? *1.5 million*
4. By how much did the population of Twinkl-land increase between 1881 and 1901? *0.2 million or 200,000*	5. What is the difference between the population of Twinkl-land in 1831 and in 1911? *0.6 million or 600,000*	6. In what year was the population of Twinkl-land 1.6 million? *1891*