

Lesson 2

L.O I am learning to use line graphs to solve problems.

All	All of you must complete the fluency section.
Most	Most of you will complete the fluency and reasoning sections.
Some	Some of you will complete the fluency, reasoning, and problem-solving sections.

Try your best – it is all we can ask for! 😊

This video may help if you are stuck at any point:

<https://corbettmathsprimary.com/2018/07/19/line-graphs-video/>

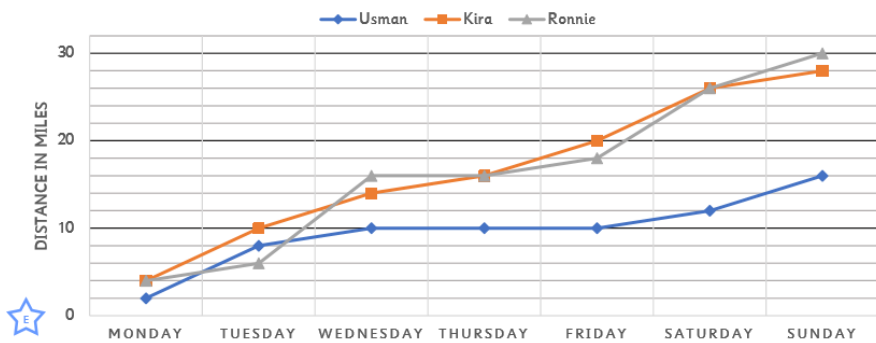
Fluency

Key vocabulary: line graph, data, over time, problem, reasoning, highest, lowest	Your answer
<p>2a. How much more money had Awais saved than James in 2017?</p> <p style="text-align: center;">Children's Savings</p> <p><i>(Note: The graph shows Awais's savings in 2017 as 80, not 70 as previously stated.)</i></p>	
<p>3b. Which child cycled the furthest from Friday to Saturday?</p> <p style="text-align: center;">DISTANCE CYCLED BY CHILDREN</p>	
<p>4a. What is the temperature in each place in December?</p> <p style="text-align: center;">Average Monthly Temperatures</p>	

Week 4_Maths_Lesson 2

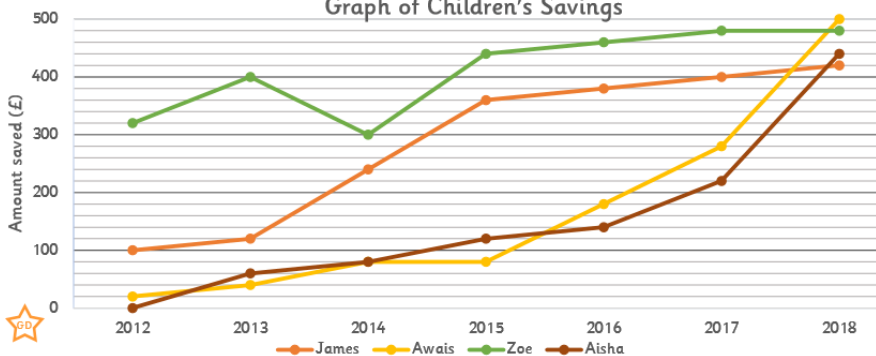
6b. How far had each child cycled by the end of the week?

DISTANCE CYCLED BY CHILDREN IN ONE WEEK



8a. How much more money did Aisha have than Awais in 2015?

Graph of Children's Savings

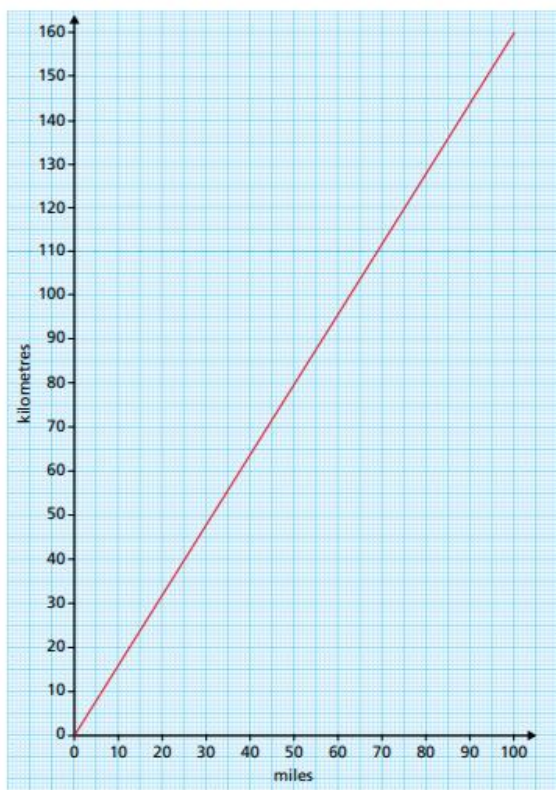


Reasoning

Key vocabulary: line graph, data, over time, problem, reasoning, highest, lowest

Your answer




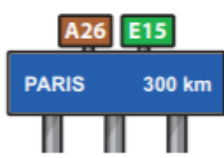
The graph shows the conversion between miles and kilometres.



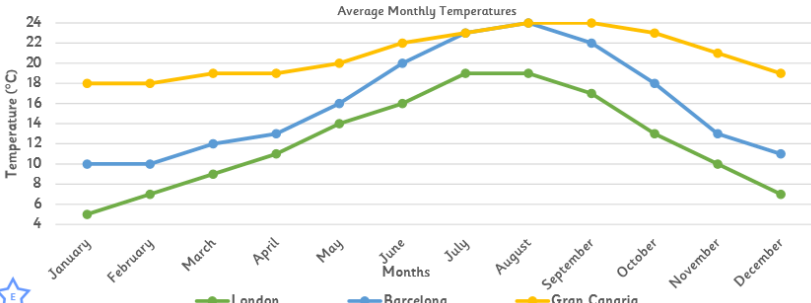
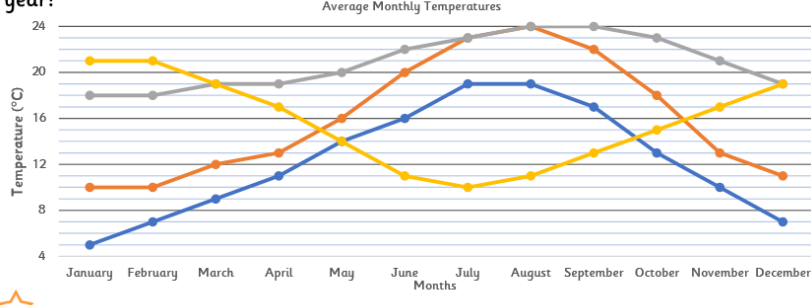
- a) How many kilometres are there in 45 miles?
- b) How many miles are there in 128 kilometres?

Hint: Use a ruler to draw lines to help you.

Week 4_Maths_Lesson 2

<p>c) Mo and Eva want to know how far 240 miles is in kilometres.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Eva</p> <p>I'm going to convert 60 miles to kilometres and multiply my answer by 4</p> </div> <div style="text-align: center;">  <p>Mo</p> <p>I'm going to convert 80 miles to kilometres and multiply my answer by 3</p> </div> </div> <p>Who will find the correct answer? Explain why. Convert 240 miles to kilometres.</p>	
<p>A coach driver can drive a maximum of 400 miles in one day. A coach driver is driving from Birmingham to Paris. He gets a ferry from Dover in England to Calais in France.</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>In Dover he sees a sign.</p>  </div> <div style="text-align: center;"> <p>In Calais he sees a sign.</p>  </div> </div> <p>Is the coach driver allowed to drive from Birmingham to Paris in one day? Why/why not?</p>	

Problem Solving

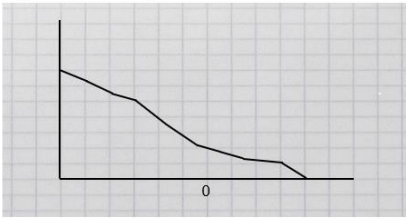
<p>Key vocabulary: line graph, data, over time, problem, reasoning, highest, lowest</p>	<p>Your answer</p>
<p>4a. Which place has the least variation in temperature over the course of the year?</p> <div style="text-align: center;"> <p>Average Monthly Temperatures</p>  <p>Temperature (°C)</p> <p>Months</p> <p>Legend: London (green), Barcelona (blue), Gran Canaria (yellow)</p> </div>	
<p>7a. Which country has the widest variation in temperature over the course of the year?</p> <div style="text-align: center;"> <p>Average Monthly Temperatures</p>  <p>Temperature (°C)</p> <p>Months</p> <p>Legend: London (blue), Barcelona (orange), Gran Canaria (grey), Melbourne (yellow)</p> </div>	

Extension

Key vocabulary: line graph, data, over time, problem, reasoning, highest, lowest

Your answer

What could this line graph be showing? Why?



- a) Could it be an aeroplane taking off and then landing?
- b) Could it be how many miles there are for every kilometre?
- c) Could it be a snowman melting over time?
- d) Could it be how much money someone has in their bank account?