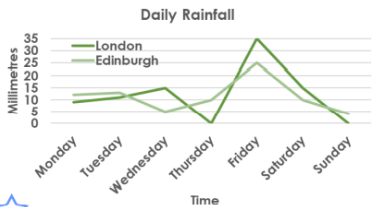
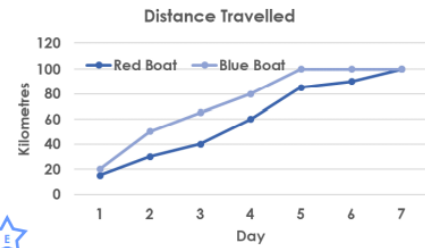

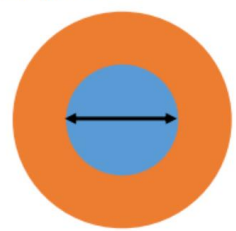


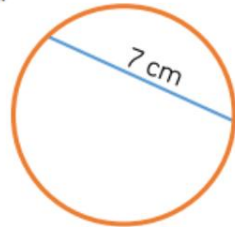
	Learning objective	Main teaching	Activity	Resources	Vocabulary
Mon day	LO to use line graphs to solve problems	<p>Work through examples as a class:</p> <ol style="list-style-type: none"> Which of the following could you show on a line graph? <ol style="list-style-type: none"> The titles of all the books read over a summer holiday How far two people can run in 2 hours How the price of milk and butter has changed over 20 years According to the line graph below, which statements are correct? <p>A. Both cities had one day with no rain. B. Friday was the rainiest day in both cities.</p>  Yulia and Naveed are interpreting a line graph. Yulia says, "The blue boat reached their destination on Day 5." Naveed says, "The red boat travelled 100km between Day 6 and Day 7." Who is correct?  	<ol style="list-style-type: none"> Children gather data in a small group, draw a line graph on squared paper to represent data, and write 5 questions for another group to answer. Pass their questions and line graphs to another group to answer in their books. Children to answer 1 of the questions from: https://www.tes.com/teaching-resource/ks2-maths-line-graphs-11852427 		X-axis Y-axis Label Line graph Solve Represent Interpret Units of measure Visualise Date

Tues day	LO to practise maths skills	Maths games			
Wed nesd ay	LO to explore circles	<p>Discuss the parts of the circle:</p> <ul style="list-style-type: none"> - circumference - centre - chord - radius - diameter <p>https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/z8c7qty</p> <p>Explore some examples (see SMART).</p> <p>Alex says:</p> <div data-bbox="414 790 806 917">  <p>The bigger the radius of a circle, the bigger the diameter.</p> </div> <p>Do you agree? Explain your reasoning.</p>	<p>Using objects in the classroom, draw circles. Identify the centre and circumference, and measure the radius and diameter. Make sure to label each part.</p> <p>Challenge:</p> <p>Here are 2 circles. Circle A is blue; Circle B is orange. The diameter of Circle A is $\frac{3}{4}$ the diameter of Circle B.</p> <div data-bbox="1254 670 1489 901">  </div> <p>If the diameter of Circle B is 12 cm, what is the diameter of Circle A? If the diameter of Circle A is 12 cm, what is the radius of Circle B? If the diameter of Circle B is 6 cm, what is the diameter of Circle A? If the diameter of Circle A is 6 cm, what is the radius of Circle B?</p>	Pencil Books Objects with circular bases SMART challenge activity	circumference chord radius diameter centre measure


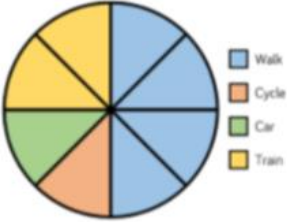
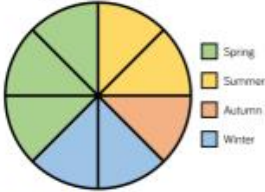
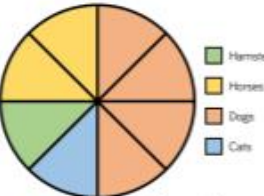
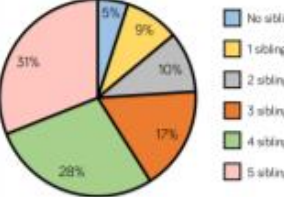


Spot the mistake!

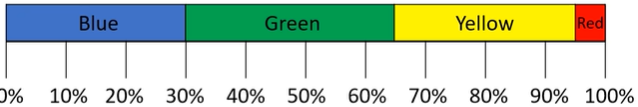
Tommy has measured and labelled the diameter of the circle below.

He thinks that the radius of this circle will be 3.5 cm.



Is Tommy right? Explain why.

<p>Thurs sday</p>	<p>LO to read and interpret Pie charts</p>	<p>Pie charts are used to show data in a visual way. Pie charts are divided into segments which represent a value.</p> <p>Work through below questions as a class:</p> <p>Today's dinner choices for 40 children.</p>  <p>How many children ordered roast dinner? What is the least popular dinner option? What is the most popular dinner option? How many children ordered a sandwich? How many MORE children had roast dinner compared to jacket potato?</p> <p>Discuss how we can answer the first question by seeing what percentage/fraction of the pie chart is taken up by roast dinner: 50% or $\frac{1}{2}$. So therefore, 50% (or $\frac{1}{2}$) of 40 children ordered roast dinner.</p> <p>When children are confident, independently work through:</p> <p>There are 600 pupils at Copingham Primary school. Work out how many pupils travel to school by:</p>  <p>a) Train b) Car c) Cycling d) Walking</p>	<p>Children to complete:</p> <div data-bbox="1173 145 1476 596"> <p>In a survey people were asked what their favourite season of the year was. The results are shown in the pie chart below. If 48 people voted summer, how many people took part in the survey?</p> <p>Our favourite time of year</p>  <p>Explain your method.</p> </div> <div data-bbox="1498 145 1800 596"> <p>96 people took part in this survey.</p> <p>Our favourite pets</p>  <p>How many people voted for cats? $\frac{3}{8}$ of the people who voted for dogs were male. How many females voted for dogs?</p> <p>What other information can you gather from the pie chart? Write some questions about the pie chart for your partner to solve.</p> </div> <div data-bbox="1173 655 1476 1123"> <p>15 people in this survey have no siblings. Use this information to work out how many people took part in the survey altogether.</p> <p>Number of siblings</p>  <p>Now work out how many people each segment of the pie chart is worth. Can you represent the information in a table?</p> </div> <div data-bbox="1498 655 1800 1123"> <p>120 boys and 100 girls were asked which was their favourite subject. Here are the results:</p> <p>Boys Favourite Subjects</p>  <p>Girls Favourite Subjects</p>  <p>Jack says: More girls prefer Maths than boys because 60% is bigger than 50%. Do you agree? Explain why.</p> </div>	<p>Questions</p> <p>Pencil</p> <p>Ruler</p> <p>Paper</p>	<p>Charts</p> <p>Data</p> <p>Discrete</p> <p>Percentage</p> <p>Fraction</p> <p>Segment</p> <p>Represent</p>
-----------------------	--	--	--	--	---

Friday	LO to draw Pie charts including percentages	<p>Ask children to draw a circle with their compass. Then ask children how they would go about showing this data using the circle they have just used:</p> <p>Children were asked to vote for their favourite colour.</p>  <p>AT SCHOOL: Work through powerpoint, with a compass to solve any questions.</p> <p>AT HOME: Watch https://vimeo.com/529417669 with a compass and work through the questions.</p>	<p>Copy and complete the questions: https://resources.whiterosemaths.com/wp-content/uploads/2020/04/Y6-Summer-Block-3-WO7-Draw-pie-charts-2020.pdf</p> <p>Check and correct answers: https://resources.whiterosemaths.com/wp-content/uploads/2020/04/Y6-Summer-Block-3-ANS7-Draw-pie-charts-2020.pdf</p>	<p>Video link OR powerpoint</p> <p>Paper</p> <p>Pencil</p> <p>Ruler</p> <p>Compass/ object with circular based to draw around</p> <p>Questions</p> <p>Protractor</p>	<p>Discrete data</p> <p>Percentage</p> <p>Quarter</p> <p>Half</p> <p>Three-quarter</p> <p>Degrees</p>
--------	---	---	---	--	---