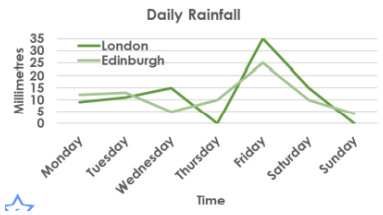
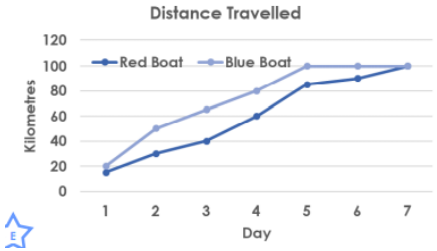
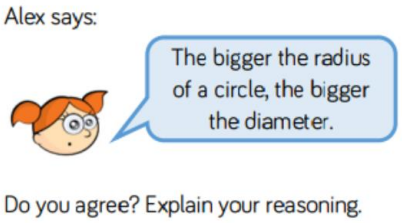
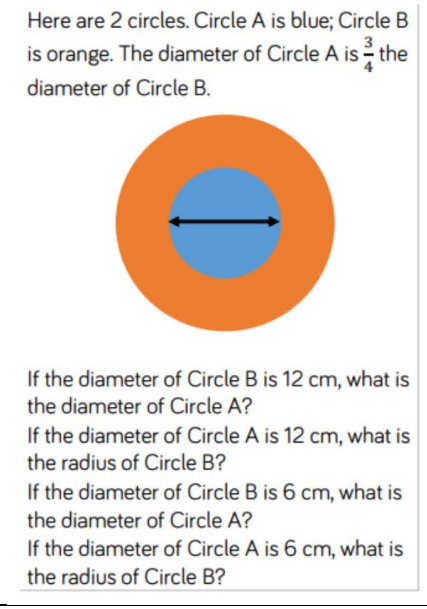
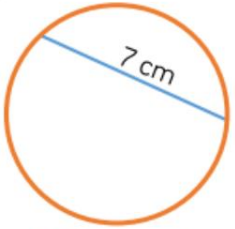
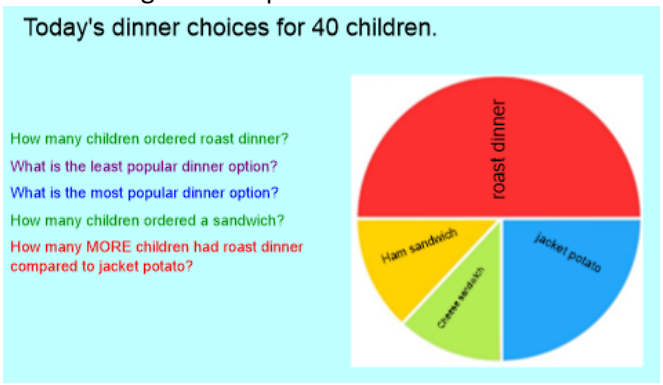
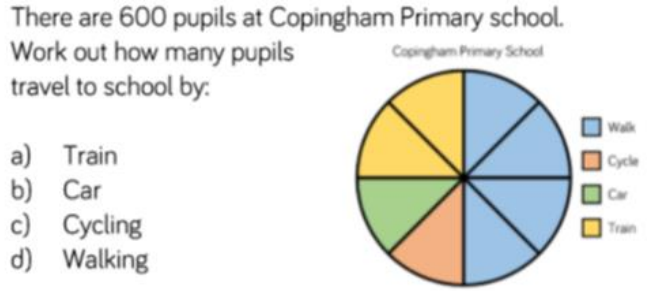
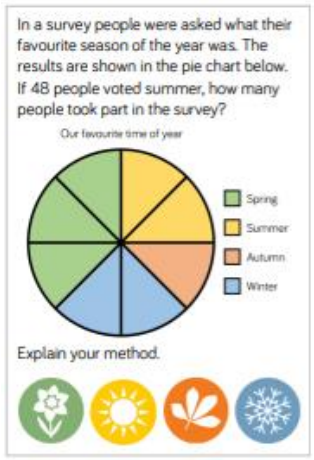
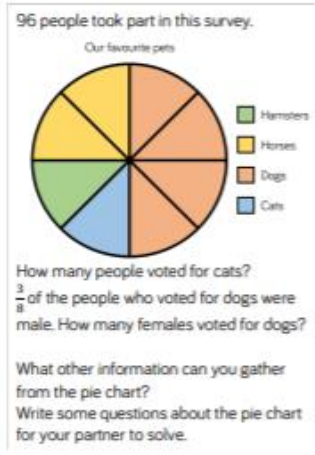
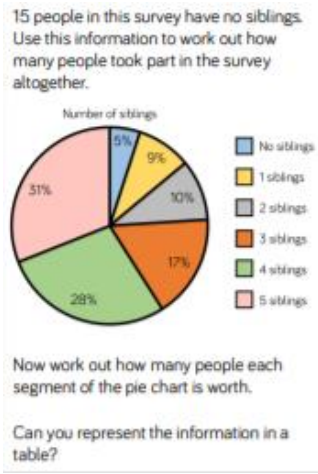
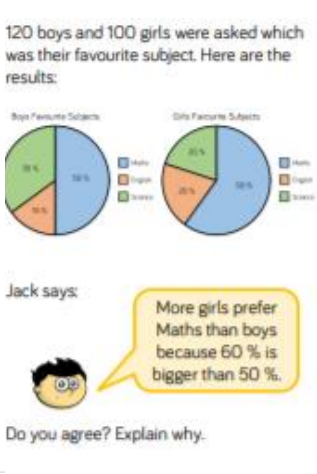
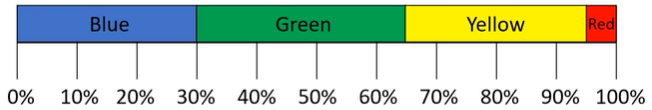
Weekly Maths Planning **Unit: Statistics** **Y5/6** **w/b: 19.4.21**

	Learning objective	Main teaching	Activity	Resources	Vocabulary
Monday	LO to use line graphs to solve problems	Work through examples as a class: 1) Which of the following could you show on a line graph? a) The titles of all the books read over a summer holiday b) How far two people can run in 2 hours c) How the price of milk and butter has changed over 20 years 2) According to the line graph below, which statements are correct? **A. Both cities had one day with no rain.** **B. Friday was the rainiest day in both cities.**  3) 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?  	1) 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. 2) Pass their questions and line graphs to another group to answer in their books. 3) 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

Tuesday	LO to practise maths skills	Maths games			
Wednesday	LO to explore circles	Discuss the parts of the circle: - circumference - centre - chord - radius - diameter https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/z8c7qty Explore some examples (see SMART). 	Using objects in the classroom, draw circles. Identify the centre and circumference, and measure the radius and diameter. Make sure to label each part. Challenge: 	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.			

Thursday	LO to read and interpret Pie charts	Pie charts are used to show data in a visual way. Pie charts are divided into segments which represent a value. Work through below questions as a class:  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 ½ . So therefore, 50% (or ½) of 40 children ordered roast dinner. When children are confident, independently work through:  	Children to complete:     	Questions Pencil Ruler Paper	Charts Data Discrete Percentage Fraction Segment Represent

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