
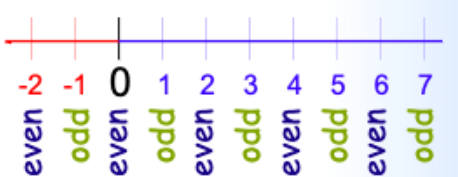

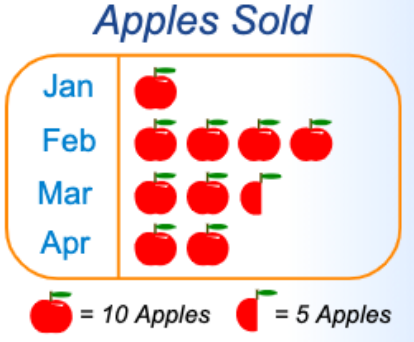
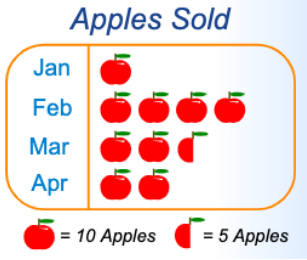
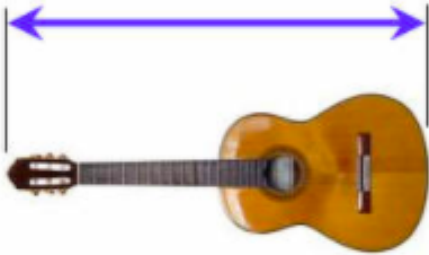
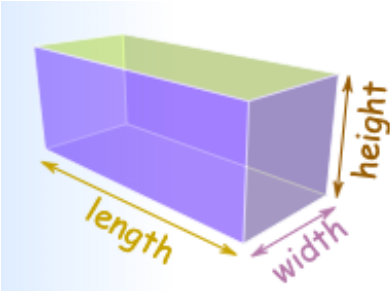
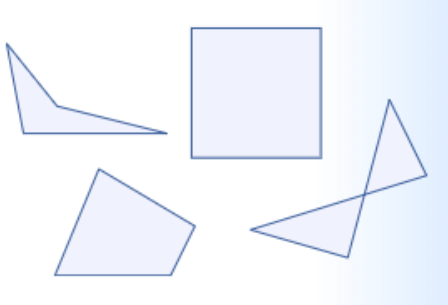
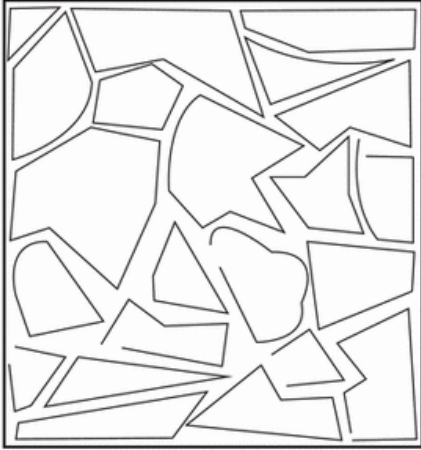
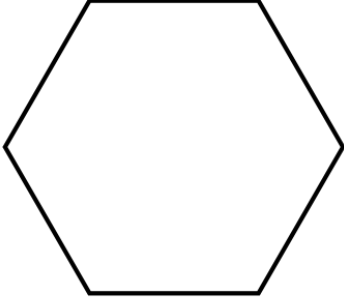
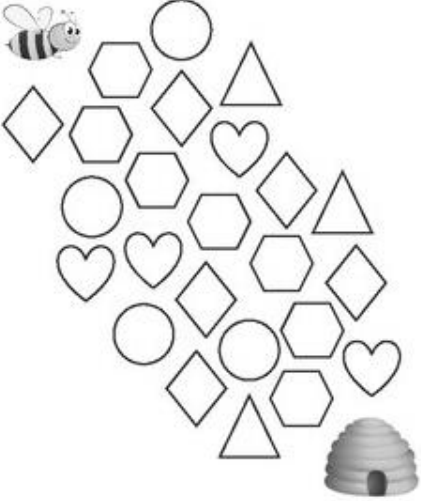
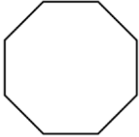


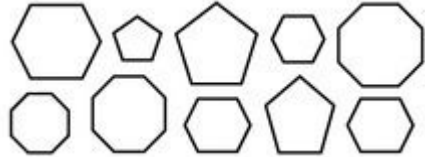


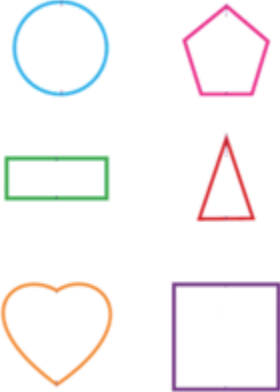

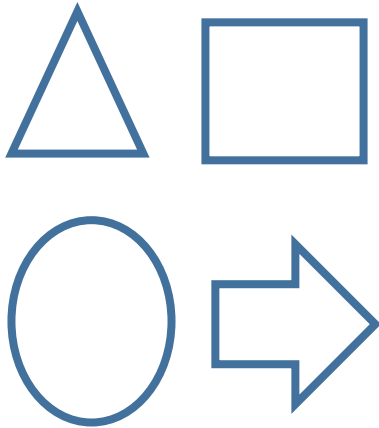
Power Maths Key Vocabulary
Year 2– Block B

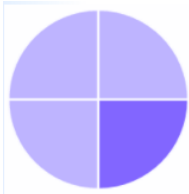
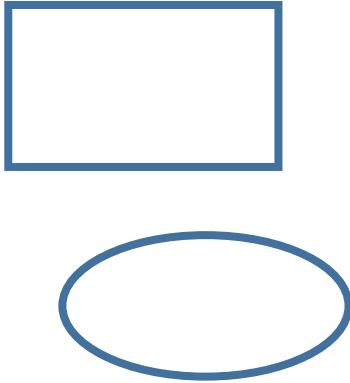
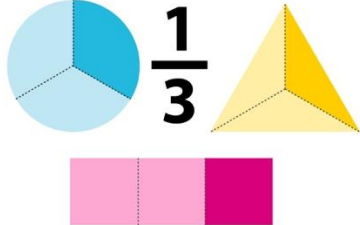
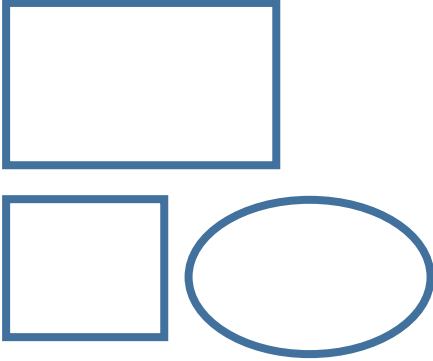
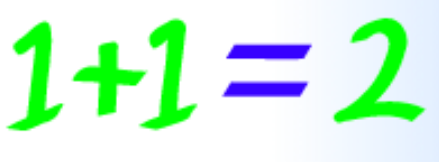


Key Vocabulary	Explanation of Terms	Example Question(s)
<p>divide</p> <p>division</p>	<p>To divide is to separate or be separated into equal parts.</p> <p>Division is the act or process of dividing anything.</p> <p style="text-align: center;">$8 \div 2 = 4$</p> <p style="text-align: center;">8 divided into 2 groups gives a result of 4 per group</p>	<p>Michael has 8 sweets that he divides between 4 people, how many sweets will each person get? ($8 \div 4 = 2$)</p> <p>Divide 15 apples into 5 bowls. ($15 \div 5 = 3$)</p> <p>Divide the balls between the 3 players. ($12 \div 3 = 4$)</p>
<p>share</p>	<p>To share is to split objects into equal parts or groups.</p> <p>Above the chocolates have been shared into 3 groups. Sharing can be done by dividing.</p>	<p>Cara shares 10 sweets between 2 people, how many sweets will each person receive? ($10 \div 2 = 5$)</p> <p>Gavin shares 20 marbles between 5 friends, how many marbles will each friend receive? ($20 \div 5 = 4$)</p>
<p>group</p>	<p>Division by grouping is a strategy used to introduce the concept of division. It involves collecting an amount into equal groups and counting how many groups can be made. The amount in each group is the number being divided by and the number</p>	<p>If I have 8 marbles and I split them into groups of 2, how many groups will I have? ($8 \div 4 = 2$)</p> <p>If I have 20 pencils and I split them into groups of 5, how many groups will I have? ($20 \div 5 = 4$)</p>

	of groups that can be made is the answer to the division.																								
odd	<p>An odd number is any integer (whole number) that cannot be divided exactly by 2.</p> 	<p>Which of the numbers below are odd? 3, 6, 10, 12, 13, 15, 18 (3, 13, 15)</p> <p>What is an odd number greater than 20?</p> <p>What is an odd number less than 5?</p>																							
even	<p>An even number is any integer that can be divided exactly by 2.</p> 	<p>Which of the numbers below are even? 3, 6, 10, 12, 13, 15, 18 (6, 10, 12, 18)</p>																							
tally chart tally marks	<p>Tally charts are used to collect data quickly and efficiently. Children then use tally charts to construct bar charts or pictograms.</p> <p>Every fifth mark is drawn across the previous 4 marks, so you can easily see groups of 5.</p>  <table border="1"> <tr> <td>Yellow</td> <td> </td> <td>4</td> </tr> <tr> <td>Red</td> <td> </td> <td>5</td> </tr> <tr> <td>Blue</td> <td> </td> <td>6</td> </tr> <tr> <td>Green</td> <td> </td> <td>1</td> </tr> <tr> <td>Pink</td> <td> </td> <td>4</td> </tr> </table>	Yellow		4	Red		5	Blue		6	Green		1	Pink		4	<p>The tally chart below shows results from a survey on people's favourite animals:</p> <table border="1"> <thead> <tr> <th>ANIMAL</th> <th>TALLY</th> </tr> </thead> <tbody> <tr> <td>CAT</td> <td> </td> </tr> <tr> <td>DOG</td> <td> </td> </tr> <tr> <td>RABBIT</td> <td> </td> </tr> </tbody> </table> <p>How many people chose each type of animal and what was the most popular animal? (cat – 6, dog – 11, rabbit – 8) (most popular – dog)</p> <p>Ask your friends and family their favourite colours and record their answers in a tally chart.</p>	ANIMAL	TALLY	CAT		DOG		RABBIT	
Yellow		4																							
Red		5																							
Blue		6																							
Green		1																							
Pink		4																							
ANIMAL	TALLY																								
CAT																									
DOG																									
RABBIT																									
pictogram key	<p>A pictogram uses pictures or symbols to show the value of data.</p> <p>The key tells us what each picture / symbol is worth.</p>	<p>Apples Sold</p> 																							

	<p style="text-align: center;"><i>Apples Sold</i></p>  <p>They key tells us that 1 whole apple is worth 10 apples, and half an apple is worth 5 apples.</p>	<p>How many apples were sold in April? (20)</p> <p>In which month were the most apples sold? (February)</p>
<p>length</p> <p>centimetre (cm)</p> <p>metre (m)</p>	<p>Length measures how far it is from one end to another, or from one point to another. The length of an object is the greatest of the two or three dimensions of an object.</p>  <p>Centimetres (cm) and metres (m) are all units of length.</p> <p>100cm = 1m</p>	<p>In centimetres, measure the length of your pencil case.</p> <p>In metres, measure the length of your room.</p> <p>If I walked 5m, how many centimetres have I walked? (500cm)</p>
<p>height</p> <p>width</p> <p>length</p>	<p>Height, width and length are the dimensions of 3D shapes.</p> 	<p>Measure the height of the table.</p> <p>What is the length of our classroom?</p> <p>What is the width of your toy box?</p>
<p>quadrilateral</p>	<p>A quadrilateral is a 2D shape made up of 4 straight sides. A square is an</p>	<p>Which of the shapes below are quadrilaterals:</p> <ul style="list-style-type: none"> • circle • triangle • rhombus • square • rectangle <p>(rectangle, square, rhombus)</p>

	<p>example of a quadrilateral.</p> 	<p>Draw 3 different quadrilaterals.</p>
<p>polygon</p>	<p>A polygon is a flat, two-dimensional (2D) shape with straight sides that is fully closed (all the sides are joined up).</p> <p>The sides must be straight.</p> <p>Polygons may have any number of sides. Examples include triangles, rectangles and pentagons.</p> <p>A circle is not a polygon as it has a curved side.</p>	<p>Draw 5 different polygons and name them.</p> <p>Colour in the polygons.</p> 
<p>hexagon</p>	<p>A hexagon is a 6 sided 2 dimensional (2D) shape with straight sides.</p> 	<p>Draw a hexagon.</p> <p>Colour in the hexagons below.</p> 
<p>octagon</p>	<p>An octagon is an 8 sided 2 dimensional (2D) shape with straight sides.</p> 	<p>Draw an octagon.</p> <p>What is an octagon?</p> <p>Colour in the octagons below.</p>

		
<p>vertex</p> <p>vertices</p>	<p>A vertex is a point where 2 or more lines/sides meet (a corner). The plural of vertex is vertices.</p>	<p>How many vertices does this rectangle have? (4)</p>  <p>Draw a shape with 5 vertices.</p>
<p>symmetry</p> <p>line of symmetry</p> <p>symmetrical</p>	<p>Symmetry is when 2 or more parts are identical after a flip or reflection.</p> <p>The line of symmetry (shown here in white) is the imaginary line where you could fold the image so that both halves match exactly.</p>  <p>If a shape has 1 or more line(s) of symmetry it is symmetrical.</p>	<p>Draw a line of symmetry in the shapes below.</p>  <p>Which shapes have more than one line of symmetry?</p>
<p>half (½)</p>	<p>A half is one of two equal parts of a whole.</p> <p>My friend and I share a pizza equally:</p>  <p>we get half each.</p> <p>To find a half we will split our whole amount in 2.</p>	<p>Shade ½ of the following shapes:</p> 

<p>quarter (¼)</p>	<p>A quarter is one of four equal parts of a whole.</p>  <p>One quarter of this circle has been shaded.</p> <p>To find a quarter we split our whole amount into 4.</p>	<p>Shade ¼ of the following shapes:</p> 
<p>third (1/3)</p>	<p>A third is one of three equal parts of a whole.</p>  <p>To find a third we split our whole amount into 3.</p>	<p>Shade 1/3 of the following shape:</p> 
<p>equivalent</p>	<p>Equivalent signifies that 2 things are equal.</p> 	<p>Which of the following sums are equivalent to 5?</p> <ul style="list-style-type: none"> a) 3 + 7 b) 3 + 2 c) 1 + 3 d) 4 + 1 <p>Answers: b & d</p>
<p>fraction</p> <p>numerator</p> <p>denominator</p>	<p>A fraction is a part of a whole number, and a way to split up a number into equal parts.</p>  <p>It is written as the number of equal parts being counted, called the numerator, over the number of parts in the whole, called the denominator. These numbers are separated by a line.</p>	<p>What fraction of the shape is shaded?</p>  <p>Identify the numerator and denominator in the fraction ¼.</p>