



Pembroke Hall School

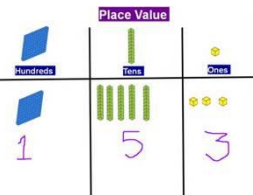
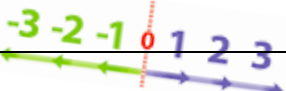


Autumn Term Maths Plan for Parents – Year 5

Below you will find an outline of what your daughter will be learning each week in her Maths lessons. Please note that teachers carry out continuous assessment which may result in some small adjustments to planning. Teachers may also adapt their planning to suit the needs of individual girls or their class.



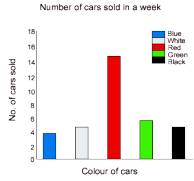
Subject: Maths

Year Group: 5

Term & Date: Autumn 2018

Week		
<p>1 Place value</p>	<p>Main aims of the week:</p> <ul style="list-style-type: none"> • Understand the value of digits in large numbers (up to 1 million) • Order and compare numbers • Count on and back in steps of 100, 1000, 10000 or 100000 	
<p>2 Place value and negative numbers</p>	<p>Main aims of the week:</p> <ul style="list-style-type: none"> • Multiply and divide whole numbers and decimals by 10, 100 or 1000 • Identify missing numbers in a sequence • Gain a better understanding of negative numbers 	
<p>3 Addition and subtraction</p>	<p>Main aims of the week:</p> <ul style="list-style-type: none"> • Use the column methods to add and subtract numbers, including decimals • Identify factors of 2 digit numbers • To recall square numbers up to 144 	
<p>4 Multiplication and Division</p>	<p>Main aims of the week:</p> <ul style="list-style-type: none"> • Identify multiples of numbers up to 144 • Use the column method to multiply by a single digit (short multiplication) • Use the column method to multiply by a 2 digit number (long multiplication) • Use the 'bus-stop' method to divide by a single digit number and express any remainders as a fraction 	
<p>5 Mental strategies, rounding and problem solving</p>	<p>Main aims of the week:</p> <ul style="list-style-type: none"> • Use rounding to make sensible estimations • Use known multiplication facts to find corresponding division facts • Develop mental strategies for the four operations and apply them to money word problems 	



6 Shape	Main aims of the week: <ul style="list-style-type: none">• Identify, visualise and describe a range of 2D and 3D shapes• Use the correct vocabulary to name triangles and quadrilaterals												
HALF TERM – week 7 and 8													
9 Fractions	Main aims of the week: <ul style="list-style-type: none">• Understand and find equivalent fractions• Compare fractions with different denominators• Convert improper fractions into mixed numbers and vice versa 												
10 Fractions, decimals and percentages	Main aims of the week: <ul style="list-style-type: none">• Convert fractions to decimals and vice versa• Then be able to write fractions and decimals as percentages 												
11 Measure	Main aims of the week: <ul style="list-style-type: none">• Convert metric units of measure• Read scales to the nearest division• Solve problems involving length, weight and capacity												
12 Data handling	Main aims of the week: <ul style="list-style-type: none">• Organise data using frequency tables• Interpret data and present in a bar chart• Begin to use and understand line graphs  <table border="1"><caption>Number of cars sold in a week</caption><thead><tr><th>Colour of cars</th><th>No. of cars sold</th></tr></thead><tbody><tr><td>Blue</td><td>4</td></tr><tr><td>White</td><td>5</td></tr><tr><td>Red</td><td>15</td></tr><tr><td>Green</td><td>6</td></tr><tr><td>Black</td><td>4</td></tr></tbody></table>	Colour of cars	No. of cars sold	Blue	4	White	5	Red	15	Green	6	Black	4
Colour of cars	No. of cars sold												
Blue	4												
White	5												
Red	15												
Green	6												
Black	4												
13 Revision of +, - x and ÷ and problem solving	Main aims of the week: <ul style="list-style-type: none">• Use the column methods to add and subtract numbers, including decimals• Use the column method to multiply by a 2 digit number (long multiplication)• Use the 'bus-stop' method to divide by a single digit number and express any remainders as a fraction• Apply methods to worded problems												
14 & 15 Consolidation	Main aims of the week: <ul style="list-style-type: none">• Convert 12 hour time into 24 hour time and vice versa• To solve time word problems <p>Consolidation of concepts covered this term</p> 