

# Year 2 Mathematics Parents Information Support Booklet



# Autumn Knowledge Organisers— Year 2

Number and Place Value		Knowledge Organiser									
<b>Key Vocabulary</b>	<b>2-Digit Numbers</b>	<b>Compare Numbers</b>									
hundreds	<b>26</b>	<table border="1"> <tr><th>Tens</th><th>Ones</th></tr> <tr><td></td><td></td></tr> </table>	Tens	Ones			<table border="1"> <tr><th>Tens</th><th>Ones</th></tr> <tr><td></td><td></td></tr> </table>	Tens	Ones		
Tens	Ones										
Tens	Ones										
tens	<table border="1"> <tr><td style="text-align: center;">twenty</td><td style="text-align: center;">six</td></tr> </table>	twenty	six	$36 = 36$ equals	$36 = 36$ equals						
twenty	six										
ones		$26 < 34$ less than									
zero		$24 > 19$ greater than									
place value	<table border="1"> <tr><td style="text-align: center;">20</td><td style="text-align: center;">6</td></tr> </table>	20	6								
20	6										
greater than											
less than	<b>Counting</b>		<b>Order Numbers</b>								
order	Counting in 2s 0 2 4 6 8 10 12 14 16 18 20										
partition	Counting in 3s 0 3 6 9 12 15 18 21 24 27 30		$37 < 39 < 42$								
digit	Counting in 5s 0 5 10 15 20 25 30 35 40 45 50										
	Counting in 10s 0 10 20 30 40 50 60 70 80 90 100		smallest <span style="margin-left: 100px;">greatest</span>								

Number and Place Value		Knowledge Organiser																		
<b>Read, Write and Represent Numbers to 100</b>																				
<b>14</b>	fourteen	one ten four ones																		
<b>29</b>	twenty-nine	two tens nine ones																		
<b>42</b>	forty-two	four tens two ones																		
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
zero	one	two	three	four	five	six	seven	eight	nine	ten	eleven	twelve	thirteen	fourteen	fifteen	sixteen	seventeen	eighteen	nineteen	twenty

# Block 2– Addition and Subtraction

Addition and Subtraction		Knowledge Organiser	
<b>Key Vocabulary</b>	<b>Addition and Subtraction Bonds to 20</b>		
Add		$15 + 5 = 20$ $20 - 5 = 15$ $20 - 15 = 5$	
Total			
Make		$4 + 3 = 7$	
Plus			
Sum			
More			
Altogether			
Difference			
Leave			
Subtract			
Difference between			
Less			
Minus			
Take away			
Mentally, Orally			
Column Addition			
Column Subtraction			
Estimate			
Inverse operation			
Solve problems			
Number facts			
Place Value			
<b>Methods</b>			
	<b>Add 2-digit and 1-digit</b> 	<b>Add 2-digit numbers</b> $34 + 28 = 62$ 3 tens and 4 ones add 2 tens and 8 ones equals 5 tens and 12 ones becomes 6 tens and 2 ones	<b>Subtract 2-digit numbers</b> $62 - 28 = 34$ 6 tens and 2 ones becomes 5 tens and 12 ones subtract 2 tens and 8 ones equals 3 tens and 4 ones
	<b>Subtract 1-digit from 2-digit</b> 	<b>Addition and Subtraction Bonds to 100</b>	
	$2 + 8 = 10$ so $20 + 80 = 100$		$32 + 68 = 100$ 3 tens and 2 ones + 6 tens and 8 ones = 9 tens and 10 ones = 10 tens = one hundred

## Vocabulary and home learning

How many?

Count on/back


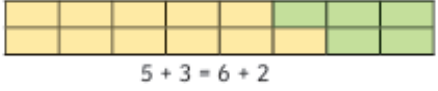

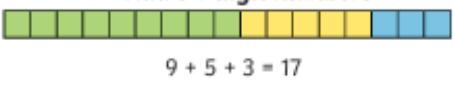
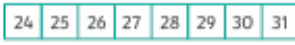














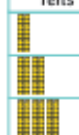
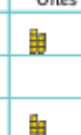



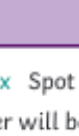
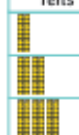
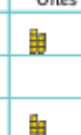



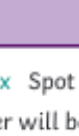






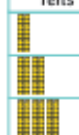
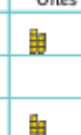



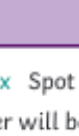
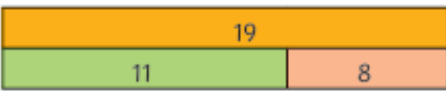

Which number comes after

Greater than/less than

Use your child's toys to practise their counting skills. They may need to touch each toy or put them in a straight line as they count.

Listen to them counting out loud.

# Block 2– Addition and Subtraction

Addition and Subtraction		Knowledge Organiser																																																													
Mental Methods	More or Less/ Add and Subtract 1s and 10s																																																														
<p><b>Compare Number Sentences</b></p>  <p><math>6 + 4 &lt; 6 + 5</math></p>  <p><math>5 + 3 = 6 + 2</math></p> <p><b>Related facts</b></p> <p><math>5 + 4 = 9</math> so <math>50 + 40 = 90</math></p>  <p><b>Add 3 1-digit numbers</b></p>  <p><math>9 + 5 + 3 = 17</math></p>	<p><b>Add and subtract 1s</b></p> <p><math>24 + 1 = 25</math>  <math>24 + 2 = 26</math>  <math>24 + 3 = 27</math></p>  <p><math>37 - 1 = 36</math>  <math>37 - 2 = 35</math>  <math>37 - 3 = 34</math></p>  <p>There are 7 flowers in a vase. One more is added. Now there are 8 flowers.</p> 	<p><b>10 More or Less</b></p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>30</td><td>40</td><td>50</td><td>60</td><td>70</td><td>80</td></tr> <tr><td>47</td><td>57</td><td>67</td><td>77</td><td>87</td><td>97</td></tr> </table> <p>The ones digit stays the same.</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr> <th>10 less</th> <th>Number</th> <th>10 more</th> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>1</td> <td>11</td> <td>21</td> </tr> <tr> <td></td> <td></td> <td></td> </tr> <tr> <td>34</td> <td>44</td> <td>54</td> </tr> </table> <p>Take care when crossing hundreds:</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>86</td><td>96</td><td>106</td><td>116</td></tr> </table>	30	40	50	60	70	80	47	57	67	77	87	97	10 less	Number	10 more				1	11	21				34	44	54	86	96	106	116	<p><b>Add and Subtract 10s</b></p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>10</td><td>30</td><td>50</td><td>70</td><td>90</td></tr> <tr><td>3</td><td>33</td><td>63</td><td>93</td><td></td></tr> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 50%;">Tens</th> <th style="width: 50%;">Ones</th> <th style="width: 50%;"></th> </tr> <tr> <td></td> <td></td> <td style="text-align: right; vertical-align: middle;">27 + 40</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black;"></td> <td style="text-align: right; vertical-align: middle;">67</td> </tr> <tr> <td></td> <td></td> <td style="text-align: right; vertical-align: middle;">72 - 30</td> </tr> <tr> <td colspan="2" style="border-top: 1px solid black;"></td> <td style="text-align: right; vertical-align: middle;">42</td> </tr> </table> <p>Crossing hundreds:</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><td>74</td><td>94</td><td>114</td><td>134</td></tr> </table>	10	30	50	70	90	3	33	63	93		Tens	Ones				27 + 40			67			72 - 30			42	74	94	114	134
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Check Calculations																																																															
 <p><math>19 - 8 = 11</math> can be checked using <math>8 + 11 = 19</math></p>	<p><math>32 + 5 = 82</math> x Spot that 5 tens have been added not 5 ones</p> <p><math>28 - 26 = 12</math> x Spot that 28 and 26 are very close together, so difference won't be 12.</p>	<p><math>37 - 4 = 41</math> x Spot that if subtracting 4 the answer will be smaller.</p> <p><math>68 - 40 = 64</math> x Spot that 4 ones have been subtracted and not 4 tens.</p>																																																													
																																																															

## Vocabulary and home learning

Create number stories where your child has to use their toys/ counting objects to create the calculations with objects.

E.g. I have 15 pencils and pens in my pencil case. 5 are coloured pencils, the rest are pens. How many are pens?

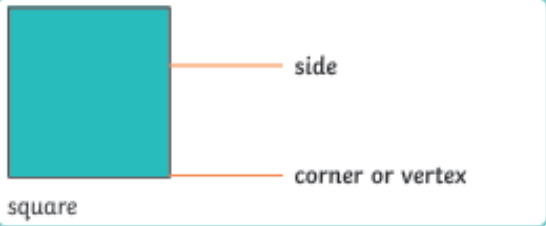
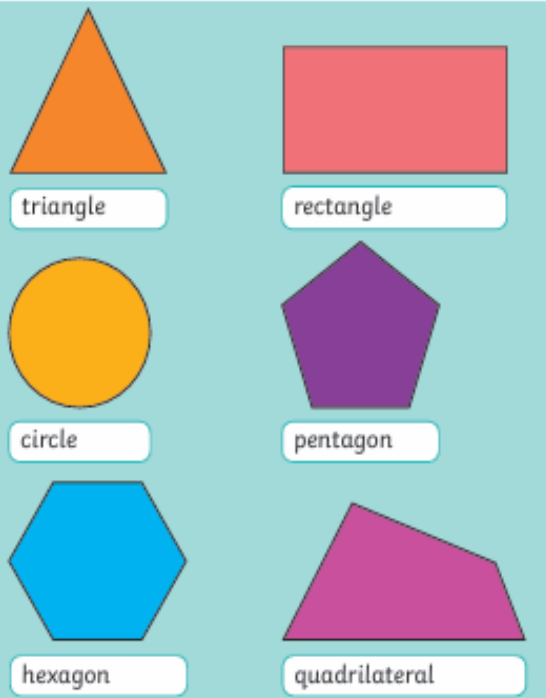
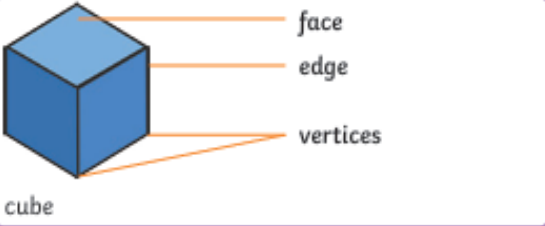
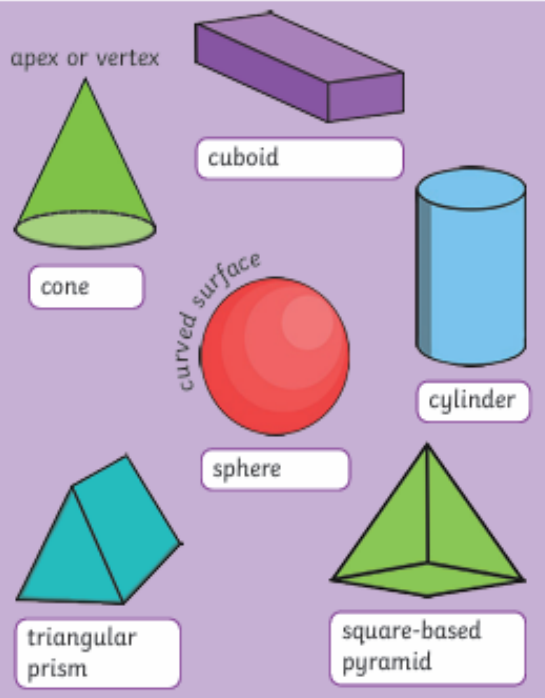

Practise the language of addition and subtraction:

Add, plus, how many in total

take away, subtract, how many

Left? Practise writing a calculation with an equals sign =.

# Block 3– Shape

Geometry: Properties of Shape		Knowledge Organiser
Key Vocabulary	Recognise and Describe 2D Shapes	Recognise and Describe 3D Shapes
two-dimensional (2D)	 	 
three-dimensional (3D)		
flat		
solid		
corner		
apex		
vertex		
vertices		
side		
edge		
face		
curved		
straight		
round		
line of symmetry		
vertical		
pattern		
		

## Vocabulary and home learning

**Practise spotting shapes in everyday life.**

**Practise drawing shapes using a ruler and templates.**

**Learn the vocabulary. Play a guess my shape game asking your child to ask questions about its properties.**

# Spring Block 1– Money

Money

Knowledge Organiser

Key Vocabulary	Pence	Pounds	Pounds and Pence
pence	1p 2p 5p	£1 £2 £5	<p>£2 and 20p</p>
pound	1 penny 2 pence 5 pence	1 pound 2 pounds 5 pounds	
coin	10p 20p 50p	£10 £20 £50	
note	10 pence 20 pence 50 pence	10 pounds 20 pounds 50 pounds	
total			
amount			
change			
difference			
price			
cost			
pay			
owe			

Equal Amounts	Compare Amounts
=  = <p><math>20p = 20p = 20p</math></p> =  = <p><math>£1 = £1 = £1</math></p>	> <p><math>75p &gt; 74p</math></p> < <p><math>£9 \text{ and } 50p &lt; £10</math></p>

## Vocabulary and home learning


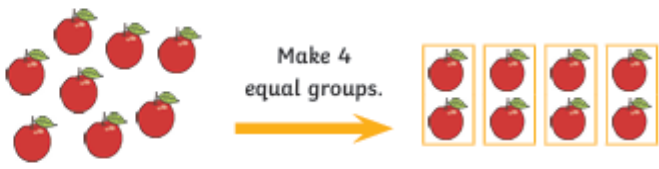







Practise counting coins and giving change. Play shops.

Money











Knowledge Organiser

Find the Total	Find the Change
<p>Lucy bought a teddy bear and some playing cards.</p> <p><math>45p + 14p = 59p</math></p> <p>Timek bought two books.</p> <p><math>25p + 25p = 50p</math></p>	<p>Lucy bought a jigsaw with a 50p coin. How much change did she get?</p> <p><math>50p - 40p = 10p</math></p> <p>Timek bought a plant and a toy car. He paid with a £1 coin. How much change did he get?</p> <p><math>£1 - 80p = 20p</math></p>

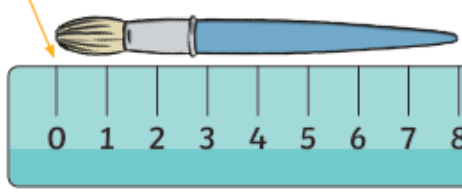



# Spring Block 2 Multiplication And Division

Multiplication and Division		Knowledge Organiser
<b>Key Vocabulary</b>	<b>Recognise Equal Groups</b>	<b>Make Equal Groups</b>
groups	 5 equal groups with 3 in each group	 Make 4 equal groups.
equal groups		<b>Add Equal Groups</b>
lots of	 2 equal groups with 4 in each group	 $2 + 2 + 2 + 2 = 8$ apples
arrays		<b>The Multiplication Symbol</b>
repeated addition	 4 equal groups of 10	 $4 \times 2 = 8$ $2 \times 4 = 8$ 8 apples
multiplication		 $2 \times 5 = 10$ $5 \times 2 = 10$ 10 cookies
times tables	 6 equal amounts of 5 pence	
		

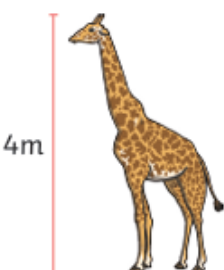



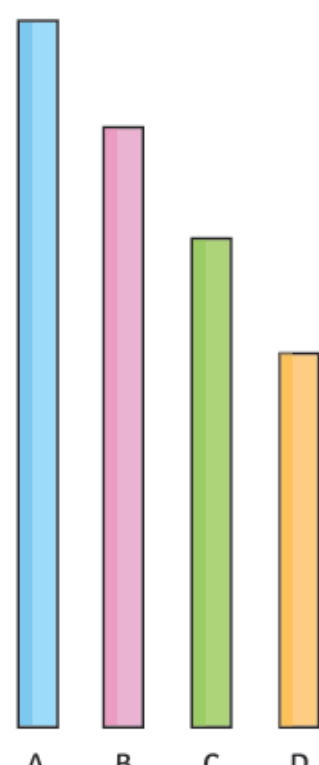
Practise drawing tables facts as arrays (see the dotted pattern below)

Multiplication and Division		Knowledge Organiser
<b>Multiplication from Pictures</b>	 4 lots of 2 = 8	<b>The 2 Times Table</b>
 2 lots of 4 = 8		 6 lots of 2 = 12
<b>Use Arrays</b>	 4 rows of 10 = 40 10 columns of 4 = 40	 2 4 6 8 10 12 14 16 18 20 22 24
		<b>The 5 Times Table</b>
		 9 lots of 5 = 45
		 5 10 15 20 25 30 35 40 45 50 55 60
		<b>The 10 Times Table</b>
		 7 lots of 10p = 70p
		 10 20 30 40 50 60 70 80 90 100 110 120
		






# Spring Block 3– Length and Height



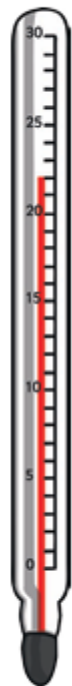


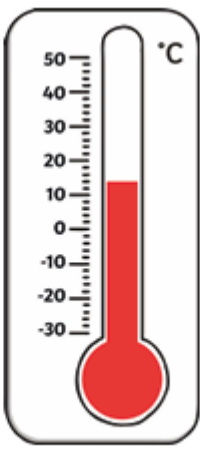


Length and Height	Knowledge Organiser														
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #d9ead3;"> <th>Key Vocabulary</th> </tr> </thead> <tbody> <tr><td>length</td></tr> <tr><td>long</td></tr> <tr><td>short</td></tr> <tr><td>height</td></tr> <tr><td>tall</td></tr> <tr><td>measure</td></tr> <tr><td>ruler</td></tr> <tr><td>tape measure</td></tr> <tr><td>metre stick</td></tr> <tr><td>centimetre (cm)</td></tr> <tr><td>metre (m)</td></tr> <tr><td>compare</td></tr> <tr><td>order</td></tr> </tbody> </table>	Key Vocabulary	length	long	short	height	tall	measure	ruler	tape measure	metre stick	centimetre (cm)	metre (m)	compare	order	<div style="background-color: #d9ead3; padding: 5px; margin-bottom: 10px;"> <b>Measuring in Centimetres</b> </div> <div style="display: flex; align-items: center;"> <div style="border: 1px solid #ccc; padding: 5px; margin-right: 10px;">Measure from zero.</div>  <div style="margin-left: 20px;"> <p>This ruler measures in <b>centimetres (cm)</b>. The paintbrush is 8cm long.</p> <p>This ruler is to scale.</p> </div> </div> <div style="background-color: #d9ead3; padding: 5px; margin-top: 10px;"> <b>Measuring in Metres</b> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">  </div> <div style="border: 1px solid #ccc; padding: 5px; margin-right: 20px;"> <p>We can measure the length or height of larger objects in <b>metres (m)</b>. The girl is 1m and 20cm tall.</p> </div> <div style="text-align: center;">  </div> <div style="margin-left: 20px;">  <p>We can use metre sticks, trundle wheels or tape measures.</p> <p><b>1 metre = 100 centimetres</b></p> </div> </div>
Key Vocabulary															
length															
long															
short															
height															
tall															
measure															
ruler															
tape measure															
metre stick															
centimetre (cm)															
metre (m)															
compare															
order															

**Vocabulary and home learning** Practise estimating, measuring and comparing the length and height of toys.

Length and Height	Knowledge Organiser
<div style="background-color: #d9ead3; padding: 5px; margin-bottom: 10px;"> <b>Comparing Height</b> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>The giraffe is <b>taller</b> than the lion. The lion is <b>shorter</b> than the giraffe.</p> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">  </div> <div style="margin-right: 20px;"> <p style="border: 1px solid #ccc; padding: 2px;"><math>4m &gt; 1m</math></p> </div> <div style="margin-right: 20px;">  </div> </div> <div style="background-color: #d9ead3; padding: 5px; margin-top: 10px;"> <b>Comparing Length</b> </div> <div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <p>The pencil is <b>shorter</b> than the pen. The pen is <b>longer</b> than the pencil.</p> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">  </div> <div style="margin-right: 20px;"> <p style="border: 1px solid #ccc; padding: 2px;"><math>7cm &lt; 10cm</math></p> </div> <div style="margin-right: 20px;">  </div> </div>	<div style="background-color: #d9ead3; padding: 5px; margin-bottom: 10px;"> <b>Ordering Length</b> </div> <div style="display: flex; align-items: center;"> <div style="margin-right: 20px;">  </div> <div style="border: 1px solid #ccc; padding: 5px; margin-right: 20px;"> <p>The straws are in order from <b>longest</b> to <b>shortest</b>.</p> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <p>A is the <b>longest</b>. D is the <b>shortest</b>. B is <b>longer</b> than C. C is <b>shorter</b> than A.</p> </div> </div>

# Spring Block 4– Mass, Capacity and Temperature

Mass, Capacity and Temperature		Knowledge Organiser	
<b>Key Vocabulary</b>	<b>Mass</b>		
mass			
gram			
kilogram	<p>We use scales to measure <b>grams</b>.</p> <p>A gram is a small unit of measurement that we use to measure how heavy or light something is.</p> <p>We can write gram as <b>g</b>.</p> <p>We measure the following using grams:</p>  <p><b>15g &gt; 10g</b></p>		
lighter	<p>We also use scales to measure <b>kilograms</b>.</p> <p>A kilogram is a larger unit of measurement that we use to measure how light or heavy something is.</p> <p>We can write kilogram as <b>kg</b>.</p> <p>We measure the following using kilograms:</p>  <p><b>1kg &lt; 3kg</b></p>		
heavier			
capacity			
volume			
millilitre			
litre			
temperature			
Celsius			
degrees			
			

Mass, Capacity and Temperature		Knowledge Organiser	
<b>Capacity</b>		<b>Temperature</b>	
<p><b>Capacity</b> is the amount of liquid a container can hold.</p> <p><b>Volume</b> is how much liquid is in the container.</p>		<p>Temperature is a measure of heat.</p> <p><b>Thermometers</b> are used to measure temperature.</p>	
<p><b>Millilitres</b></p>  <p>We can use a measuring cylinder to measure very small volumes.</p> <p>We measure these in millilitres.</p> <p>We write this as ml.</p> <p><b>1000ml = 1l</b></p> 	<p>We usually measure temperature in <b>degrees Celsius (°C)</b> but some parts of the world use degrees Fahrenheit (°F).</p> <p>We can measure the temperature of air, liquids or objects using a thermometer.</p>		
<p><b>Litres</b></p>  <p>We can use a jug to measure larger volumes.</p> <p>We measure these in litres.</p> <p>We write this as l.</p> <p><b>1000ml = 1l</b></p> 	<p>Most thermometers have small tubes and a bulb of liquid at the bottom. The hotter the temperature, the higher the liquid from the bulb rises in the tube. There are markings along the side of the glass tube that show the temperature.</p>		
 <p>quarter full      half full      full</p> <p><b>25ml &lt; 250ml      10l &gt; 2l</b></p>			

# Spring Block 4– Mass, Capacity and Temperature

## Vocabulary and home learning

heavier, lighter

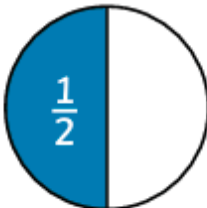

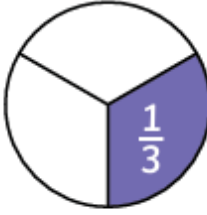

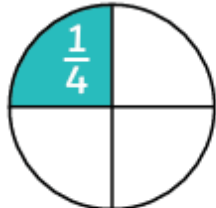
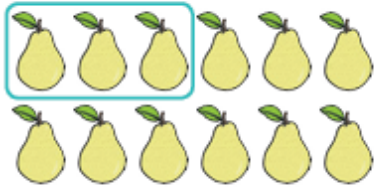



mass



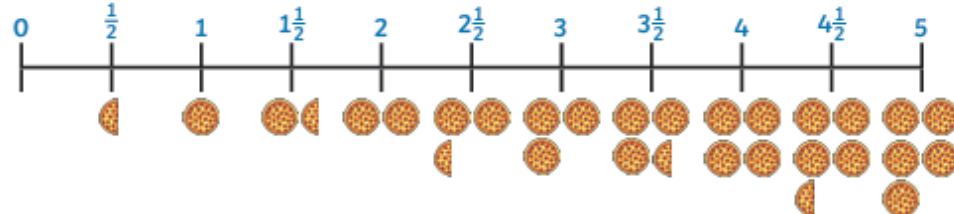
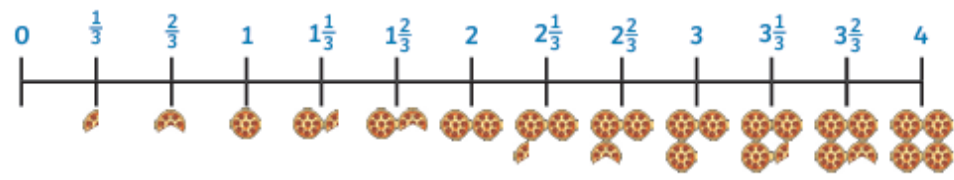

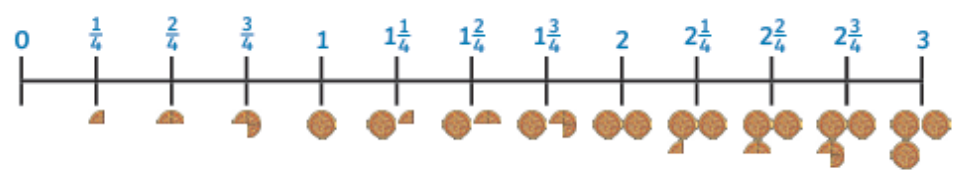

weighing scales

Use your child's small toys to practise weighing them using any weighing scales. Look for real life examples where weighing occurs e.g. at the doctors or vets, or in the kitchen cooking.

Show your child that lots of packaging/food/drink has the weight displayed.

# Summer Block 1 Fractions

Fractions		Knowledge Organiser			
Key Vocabulary	Recognising Unit Fractions				
fraction	<b>Half</b>	<p>A whole split into two equal parts.</p>  $\frac{1}{2}$ <p><math>\frac{1}{2}</math> of 8 = 4</p> 	<b>Quarter</b>		
part	<p>A whole split into three equal parts.</p>  $\frac{1}{3}$ <p><math>\frac{1}{3}</math> of 6 = 2</p> 		<p>A whole split into four equal parts.</p>  $\frac{1}{4}$ <p><math>\frac{1}{4}</math> of 12 = 3</p> 		
whole				<p>Non-unit Fractions</p> <p><math>\frac{2}{3}</math></p> 	
equal					<p><math>\frac{3}{4}</math></p> 
share					
half					
quarter					
third					
equivalent					
numerator					
denominator					
					

Fractions		Knowledge Organiser	
Equivalent Fractions	Counting in Fractions		
$\frac{1}{2} = \frac{2}{4}$  	<p><b>Halves</b></p> 		
<b>Numerator and Denominator</b>	<p><b>Thirds</b></p> 		
 <p><math>\frac{3}{4}</math></p> <p><b>Numerator</b> How many equal parts of the whole are needed?</p> <p><b>Denominator</b> How many equal parts are in the whole?</p>	<p><b>Quarters</b></p> 		
			

# Summer Block 1 Fractions

## Vocabulary and home learning

**Equal**

**Half**

**Part**

**Whole**

**Practise finding half of 2,4,6,8 toys by moving them into two groups.**

**Practise cutting cakes or pizzas into halves and quarters.**

**It is helpful to use rectangular shapes if using pictures as circles can be tricky to draw.**

**Use purple Mash BBC or Hit the Button website to play fractions games on the computer.**

# Summer Block 2 Time

Time		Knowledge Organiser							
Key Vocabulary		O'Clock and Half Past							
time	half past twelve	one o'clock	half past one	two o'clock	half past two	three o'clock	half past three	four o'clock	
clock									
hours									
minutes	half past four	five o'clock	half past five	six o'clock	half past six	seven o'clock	half past seven	eight o'clock	
hand									
o'clock									
half past	half past eight	nine o'clock	half past nine	ten o'clock	half past ten	eleven o'clock	half past eleven	twelve o'clock	
quarter past									
quarter to									
five minutes									
duration	Past and To								
shorter									
longer									
	o'clock	quarter past	half past	quarter to					

**Vocabulary and Home learning** Buy a cheap watch and practise every day.

Tell the time to the hour and half hour, quarter-past and quarter-to

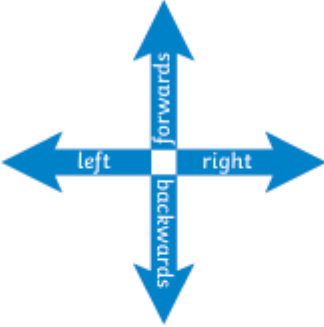







Time		Knowledge Organiser													
Telling Time to 5 Minutes	O'Clock and Half Past	Find Durations of Time													
	<p>There are <b>60 minutes</b> in an hour.</p>	<p>Start      Duration      End</p> <p><b>20 minutes</b> has passed.</p>													
<p><b>Hour Hand</b> The short hand points to the hour. If this hand is pointing between hours, it is either past the earlier hour or to the later hour.</p> <p><b>Minute Hand</b> The long hand points to the minutes past or to the hour.</p>	<p>There are <b>24 hours</b> in a day.</p>	<p>Compare Durations of Time</p> <table border="1"> <tr> <td> A swimming lesson</td> <td>30 minutes</td> <td> A visit to the cinema</td> <td>2 hours</td> </tr> <tr> <td> The time it takes to do 1 star jump</td> <td>1 second</td> <td> A favourite TV programme</td> <td>20 minutes</td> </tr> <tr> <td> A nice long walk</td> <td>3 hours</td> <td> A week at school</td> <td>5 days</td> </tr> </table> <p>Compare the time using the vocabulary 'longer' and 'shorter'.</p>		A swimming lesson	30 minutes	A visit to the cinema	2 hours	The time it takes to do 1 star jump	1 second	A favourite TV programme	20 minutes	A nice long walk	3 hours	A week at school	5 days
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# Summer Block 3 Statistics

Statistics		Knowledge Organiser																		
<b>Key Vocabulary</b>	<b>Tally Charts</b>	<b>Block Diagram</b>																		
data	Tally marks look like this:	A block diagram represents data using blocks. One block represents one item.																		
interpret		<p>In this block diagram, the <b>y-axis</b>, which is vertical, shows the number of items.</p>																		
key																				
tally chart																				
pictogram																				
block diagram																				
pictogram	A tally chart is one way of collecting data using tally marks.	<p>In this block diagram, the <b>x-axis</b>, which is horizontal, shows the types of items.</p> <p>The blocks can go vertically or horizontally.</p>																		
block diagram	<table border="1"> <thead> <tr> <th>Eye Colour</th> <th>Tally</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>brown</td> <td>     </td> <td>6</td> </tr> <tr> <td>blue</td> <td>     </td> <td>8</td> </tr> <tr> <td>green</td> <td>   </td> <td>3</td> </tr> <tr> <td>grey</td> <td>    </td> <td>4</td> </tr> <tr> <td>hazel</td> <td>     </td> <td>5</td> </tr> </tbody> </table>		Eye Colour	Tally	Total	brown		6	blue		8	green		3	grey		4	hazel		5
Eye Colour	Tally		Total																	
brown			6																	
blue			8																	
green		3																		
grey		4																		
hazel		5																		
table																				
total																				
compare																				
symbol																				

Statistics		Knowledge Organiser
<b>Pictograms</b>		
Pictograms use pictures or symbols to represent data. Each picture or symbol can represent one item or more than one. The key shows what each symbol represents.		
<p><b>Favourite Colour</b></p> <p>Red Blue Green Yellow Pink</p>	<p><b>Key</b></p> <p>● = 1 child</p>	<p>Here is an example of a pictogram with a different scale.</p> <p><b>Traffic Survey</b></p> <p>Car Motorbike Van Bus</p> <p><b>Key</b> ● = 5 vehicles</p>
<p>This pictogram uses one symbol to represent 2 pets.</p> <p><b>Class 1's Pets</b></p> <p><b>Key</b></p> <p>□ = 2 pets</p> <p>To represent 1 pet, a picture of half a square is used.</p>	<p>This pictogram has one symbol to represent 10 children.</p> <p><b>Ways of Travelling to School</b></p> <p><b>Key</b></p> <p>😊 = 10 children</p> <p>To represent 5 children, a picture of half a face is used.</p>	

# Summer Block 4 Position and Direction

Position and Direction		Knowledge Organiser				
<b>Key Vocabulary</b>	<b>Describing Straight-Line Movement</b>					
forwards		 <p><b>Left and Right</b> The hand that makes an L shape is the <b>left hand</b>.</p>				
backwards						
left						
right						
north						
south						
east						
west						
quarter turn				<b>Describing Turns</b>		
half turn				 <p>quarter turn</p>	 <p>half turn</p>	<p><b>clockwise</b></p>  <p>If the turn is in the same direction as the hands of a clock, it is <b>clockwise</b>.</p>
three-quarter turn						
clockwise						
anticlockwise						
pattern						
sequence						
	 <p>three-quarter turn</p>	 <p>full turn</p>				

## Vocabulary and home learning

Use the language of position to describe location.

Use maps and look at the position of countries.

# Real Life Maths!

Encourage your child to see Maths as skills essential to life, not just a lesson. Look at all these examples!

Real Life Maths  
Involve your child in as many problem-solving activities as possible.

shopping

counting, estimating, rounding, budgeting, percentages giving change, adding, subtracting, multiplying, dividing, comparing,

Playing games

counting, estimating comparing, subitising, sequencing

Planning an outing

estimating, rounding, budgeting, timing using timetables, distance, journey time, dividing adding subtracting dividing multiplying, working out change and cost.

Cooking a meal

Proportion and ratio, measuring, estimating

timing, ordering dividing multiplying adding.

Using a TV guide

Reading tables, data handling/ interpretation, time estimation, rounding, telling the time.

