

Number & Place Value

Nursery

Reception

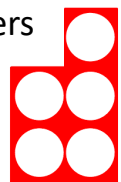
Year One

Year Two

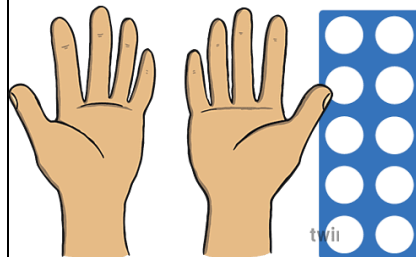
Counting



Up to 5
objects and
fingers



Beyond 10 objects,
sounds, actions and
fingers



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Count to and across 100,
forwards and backwards

Skip counting by threes									
1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70

Count in 2s, 3s, 5s and 10s
forwards and backwards



1,2,3,4,5 +

Recite numbers beyond 5

1,2,3,4,5,6,
7,8,9,10 +

Recite numbers beyond 10

2,4,6,8,10
5,10,15,20
10,20,30,40

Count in 2s, 5s and 10s

10,8,6,4,2
20,15,10,5
15,12,9,6,3

Count back in 2s, 3s, 5s
and 10s

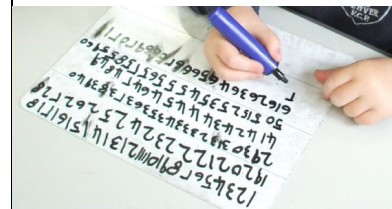
Reading & Writing Numbers



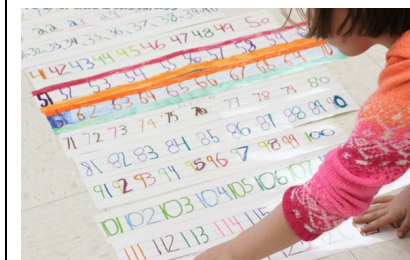
Match numerals to
objects up to 5




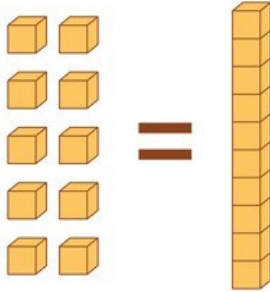
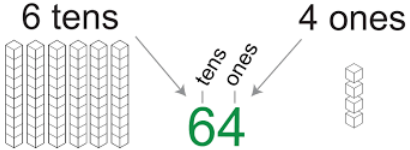


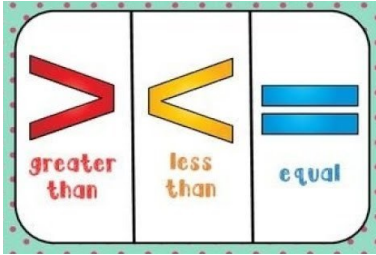

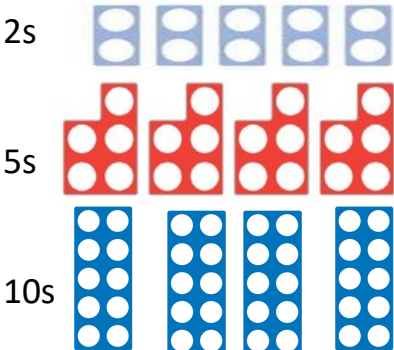
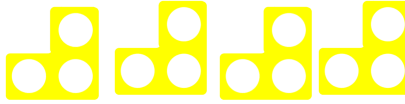
Match numerals to objects
up to 10

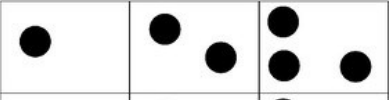
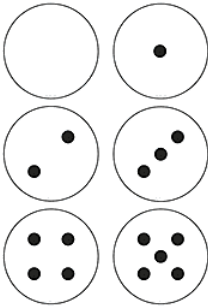



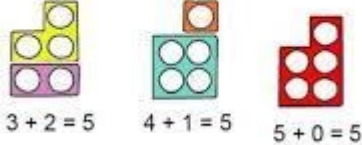
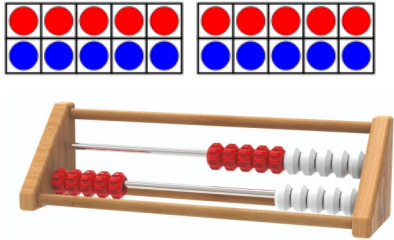
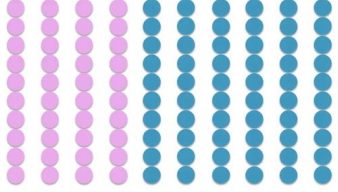
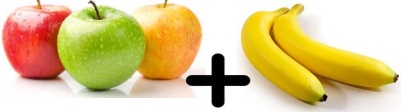

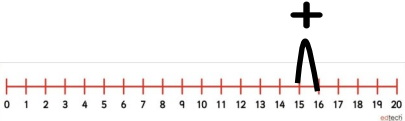
Write numbers to 100

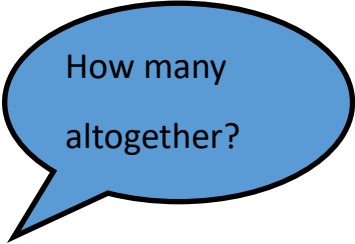
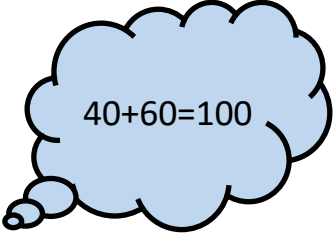






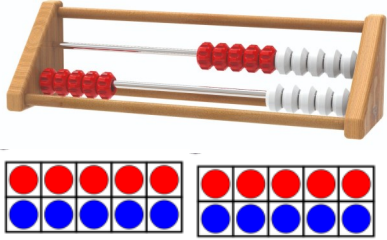
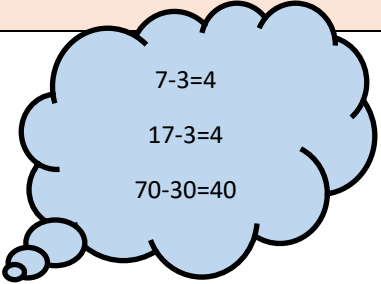
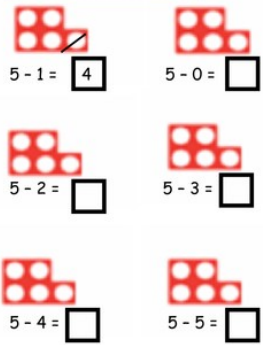
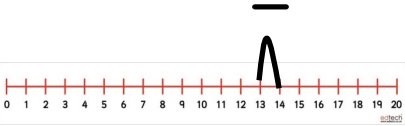
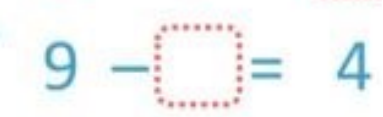

Write numbers to at least
100




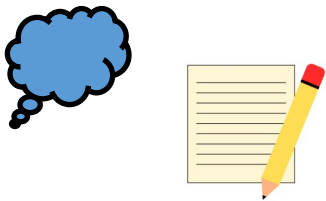
Number & Place Value	Nursery	Reception	Year One	Year Two
Place Value		 <p>Develop a deep understanding of numbers to 10</p>	 <p>Recognise place value beyond 20</p>	 <p>Recognise the place value of each digit in a two-digit number (tens and ones)</p>
Comparison	 <p>Compare quantities up to 5 using more/less, most/least</p>	 <p>Compare quantities up to 10 using greater than, less than, same as</p>	<p>One Less One More</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px;"></div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-right: 5px; text-align: center; font-size: 24px;">45</div> <div style="border: 1px solid black; width: 40px; height: 40px; margin-left: 5px;"></div> </div> <p>Identify one more and one less.</p> <p>Equal to, more than, less than (fewer), most, least</p>	 <p>Compare and order numbers from 0 to 100</p>
Numerical Patterns		 <p>Recognise odd and even numbers</p>	 <p>Count in 2s, 3s, 5s and 10s</p>	 <p>Count in 2s, 3s, 5s and 10s</p>

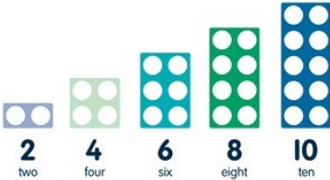
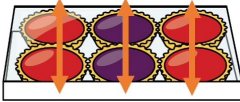
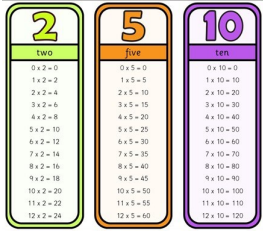

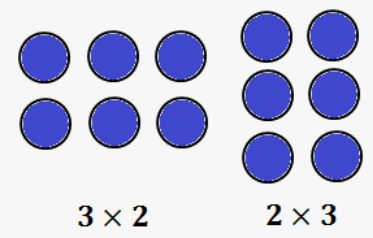
Number & Place Value	Nursery	Reception	Year One	Year Two
<p data-bbox="69 456 450 539">Subitising</p>	 <p data-bbox="495 517 725 549">Subitise up to 3</p>	 <p data-bbox="949 628 1180 660">Subitise up to 5</p>		

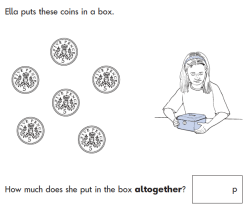


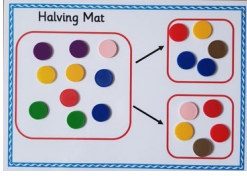
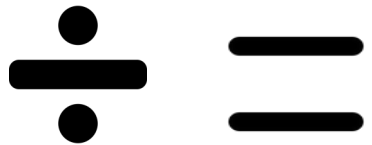
Addition & Subtraction	Nursery	Reception	Year One	Year Two
<h1 data-bbox="91 456 427 528">Addition</h1>	 <p data-bbox="490 555 871 643">Begin to combine groups of up to 5 objects</p>	 <p data-bbox="945 512 1305 667">Automatic recall of number bonds to 5 and some to 10</p>	 <p data-bbox="1350 552 1727 651">Represent and use number bonds within 20</p>	 <p data-bbox="1872 480 2101 536">40 + 60</p> <p data-bbox="1778 552 2157 691">Automatic recall of number bonds to 20 and derive related facts to 100</p>
	 <p data-bbox="490 1010 878 1042">Solve real word problems</p>	 <p data-bbox="945 1062 1279 1150">Explore one more and double facts</p>	 <p data-bbox="1350 967 1742 1054">Add 1-digit and 2-digit numbers to 20 including 0</p>	<p data-bbox="1783 767 2145 959">2-digit + 1s 2-digit + 10s 2-digit + 2-digit 1-digit + 1-digit + 1-digit</p> <p data-bbox="1783 1031 2175 1110">Add using concrete, pictorial and mental methods</p>
			<div data-bbox="1391 1198 1682 1305" style="border: 1px solid black; padding: 5px; display: inline-block;"> $15 + \square = 19$ </div> <p data-bbox="1350 1382 1682 1469">Solve missing number problems</p>	$7 + 6 = 13$ $6 + \underline{\quad} = 13$ $13 - 6 = 7$ $\underline{\quad} - 7 = 6$ <p data-bbox="1783 1398 2175 1517">Recognise and use inverse relationships to check calculations and solve missing num-</p>



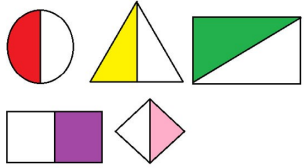

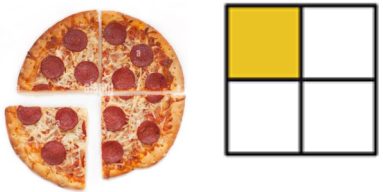
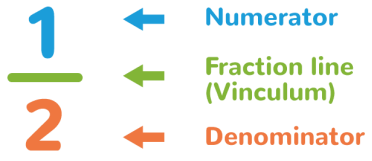
Addition & Subtraction	Nursery	Reception	Year One	Year Two
Addition			 <p>How many altogether?</p> <p>Solve one-step problems using objects and pictures</p>	 <p>$40+60=100$</p> <p>Apply increasing knowledge of mental and written methods.</p>
			 <p>Read and write addition statements using + and =.</p>	 <p>$6 + 3 = 9 = 3 + 6$</p> <p>Show that addition is commutative</p>

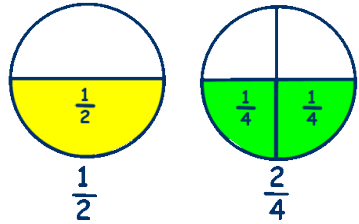
Addition & Subtraction	Nursery	Reception	Year One	Year Two
<p>Subtraction</p>	 <p>Solve real world problems involving taking away.</p>	 <p>Explore one less.</p>	 <p>Represent and use subtraction facts within 20.</p>	 <p>Recall and use subtraction facts to 20 fluently and derive related facts to 100.</p>
		<p>Recall subtraction facts to 5 and some to 10.</p> 	 <p>Subtract 1-digit and 2-digit numbers to 20 including 0.</p>	<p>Subtract using concrete, pictorial and mental methods.</p> <p>2-digit - 1s 2-digit - 10s 2-digit - 2-digit 1-digit - 1-digit - 1-digit</p>
			 <p>Solve missing number problems using concrete resources and pictorial representations.</p>	<p>Solve missing number problems using concrete resources and pictorial representations.</p> 



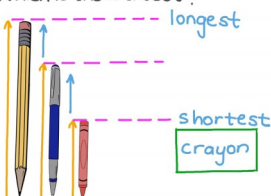
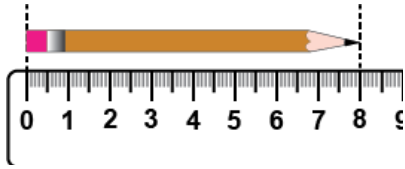
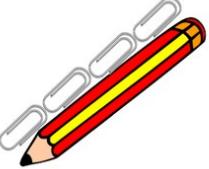
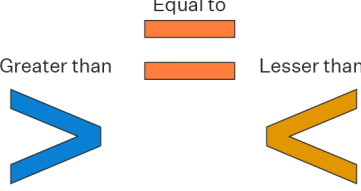

Addition & Subtraction	Nursery	Reception	Year One	Year Two
Subtraction			 <p>Read and write subtraction statements using - and =.</p>	<p>Show that subtraction is not commutative.</p> $6 - 5 = 1$  $5 - 6 = \times$ 
				<p>Apply increasing knowledge of mental and written methods.</p> 


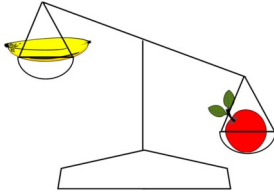
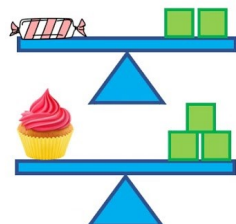

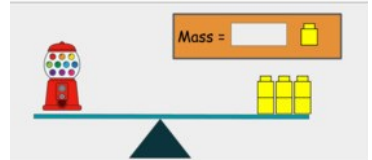
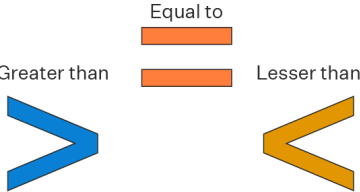

Multiplication & Division	Nursery	Reception	Year One	Year Two
<p>Multiplication</p>		<p>Explore and represent patterns within numbers up to 10 including double facts, and odd and even</p>  <p>2 two 4 four 6 six 8 eight 10 ten</p>	 <p>solve one-step problems involving multiplication using objects, pictorial representations and arrays with support.</p>	<p>Recall and use multiplication facts for 2, 5 and 10 multiplication tables, including recognising odd and even numbers.</p> 
				<p>Calculate mathematical statements for multiplication within the multiplication tables and write them using x and = signs.</p> 
				<p>Show multiplication is commutative.</p>  <p>3×2 2×3</p>



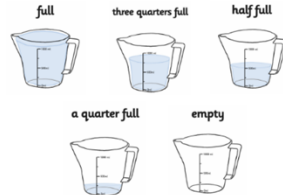
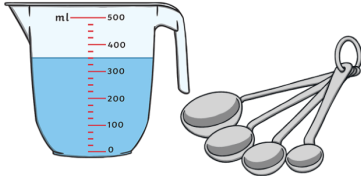
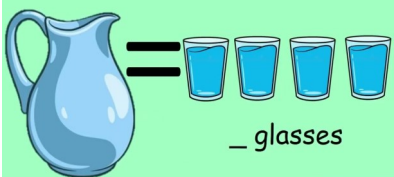
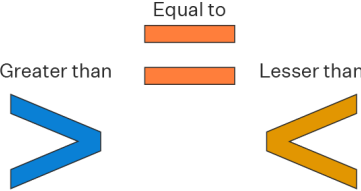
Multiplication & Division	Nursery	Reception	Year One	Year Two						
<p>Multiplication</p>				<p>Solve problems using materials, arrays, repeated addition, mental methods and multiplication facts.</p> 						
<p>Division</p>	<p>Explore sharing in context.</p> 	<p>Explore and represent patterns within numbers up to 10 including how quantities can be distributed equally.</p> 	<p>Solve one-step problems involving division by calculating the answer using concrete objects, pictorial representations and arrays with support.</p> 	<p>Recall and use division facts for the 2, 5 and 10 multiplication tables.</p> <table border="1" data-bbox="1780 901 2172 1125"> <tr> <td>2</td> <td>5</td> <td>10</td> </tr> <tr> <td> $2 \times 1 = 2$ $2 \div 2 = 1$ $2 \times 2 = 4$ $4 \div 2 = 2$ $2 \times 3 = 6$ $6 \div 2 = 3$ $2 \times 4 = 8$ $8 \div 2 = 4$ $2 \times 5 = 10$ $10 \div 2 = 5$ $2 \times 6 = 12$ $12 \div 2 = 6$ $2 \times 7 = 14$ $14 \div 2 = 7$ $2 \times 8 = 16$ $16 \div 2 = 8$ $2 \times 9 = 18$ $18 \div 2 = 9$ $2 \times 10 = 20$ $20 \div 2 = 10$ $2 \times 11 = 22$ $22 \div 2 = 11$ $2 \times 12 = 24$ $24 \div 2 = 12$ </td> <td> $5 \times 1 = 5$ $5 \div 5 = 1$ $5 \times 2 = 10$ $10 \div 5 = 2$ $5 \times 3 = 15$ $15 \div 5 = 3$ $5 \times 4 = 20$ $20 \div 5 = 4$ $5 \times 5 = 25$ $25 \div 5 = 5$ $5 \times 6 = 30$ $30 \div 5 = 6$ $5 \times 7 = 35$ $35 \div 5 = 7$ $5 \times 8 = 40$ $40 \div 5 = 8$ $5 \times 9 = 45$ $45 \div 5 = 9$ $5 \times 10 = 50$ $50 \div 5 = 10$ $5 \times 11 = 55$ $55 \div 5 = 11$ $5 \times 12 = 60$ $60 \div 5 = 12$ </td> <td> $10 \times 1 = 10$ $10 \div 10 = 1$ $10 \times 2 = 20$ $20 \div 10 = 2$ $10 \times 3 = 30$ $30 \div 10 = 3$ $10 \times 4 = 40$ $40 \div 10 = 4$ $10 \times 5 = 50$ $50 \div 10 = 5$ $10 \times 6 = 60$ $60 \div 10 = 6$ $10 \times 7 = 70$ $70 \div 10 = 7$ $10 \times 8 = 80$ $80 \div 10 = 8$ $10 \times 9 = 90$ $90 \div 10 = 9$ $10 \times 10 = 100$ $100 \div 10 = 10$ $10 \times 11 = 110$ $110 \div 10 = 11$ $10 \times 12 = 120$ $120 \div 10 = 12$ </td> </tr> </table>	2	5	10	$2 \times 1 = 2$ $2 \div 2 = 1$ $2 \times 2 = 4$ $4 \div 2 = 2$ $2 \times 3 = 6$ $6 \div 2 = 3$ $2 \times 4 = 8$ $8 \div 2 = 4$ $2 \times 5 = 10$ $10 \div 2 = 5$ $2 \times 6 = 12$ $12 \div 2 = 6$ $2 \times 7 = 14$ $14 \div 2 = 7$ $2 \times 8 = 16$ $16 \div 2 = 8$ $2 \times 9 = 18$ $18 \div 2 = 9$ $2 \times 10 = 20$ $20 \div 2 = 10$ $2 \times 11 = 22$ $22 \div 2 = 11$ $2 \times 12 = 24$ $24 \div 2 = 12$	$5 \times 1 = 5$ $5 \div 5 = 1$ $5 \times 2 = 10$ $10 \div 5 = 2$ $5 \times 3 = 15$ $15 \div 5 = 3$ $5 \times 4 = 20$ $20 \div 5 = 4$ $5 \times 5 = 25$ $25 \div 5 = 5$ $5 \times 6 = 30$ $30 \div 5 = 6$ $5 \times 7 = 35$ $35 \div 5 = 7$ $5 \times 8 = 40$ $40 \div 5 = 8$ $5 \times 9 = 45$ $45 \div 5 = 9$ $5 \times 10 = 50$ $50 \div 5 = 10$ $5 \times 11 = 55$ $55 \div 5 = 11$ $5 \times 12 = 60$ $60 \div 5 = 12$	$10 \times 1 = 10$ $10 \div 10 = 1$ $10 \times 2 = 20$ $20 \div 10 = 2$ $10 \times 3 = 30$ $30 \div 10 = 3$ $10 \times 4 = 40$ $40 \div 10 = 4$ $10 \times 5 = 50$ $50 \div 10 = 5$ $10 \times 6 = 60$ $60 \div 10 = 6$ $10 \times 7 = 70$ $70 \div 10 = 7$ $10 \times 8 = 80$ $80 \div 10 = 8$ $10 \times 9 = 90$ $90 \div 10 = 9$ $10 \times 10 = 100$ $100 \div 10 = 10$ $10 \times 11 = 110$ $110 \div 10 = 11$ $10 \times 12 = 120$ $120 \div 10 = 12$
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				<p>Calculate and write division statements using \div and $=$ symbols.</p> 						

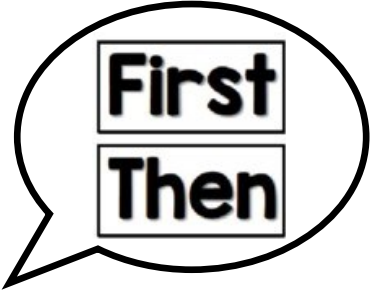
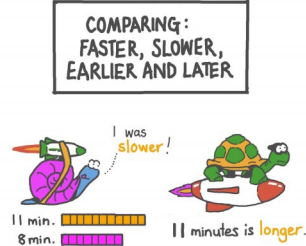


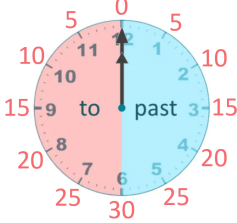
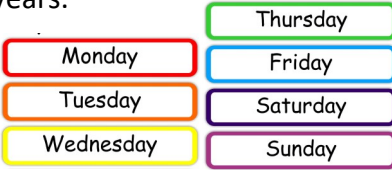

Multiplication & Division	Nursery	Reception	Year One	Year Two
Division				<p>Solve problems involving division using materials, arrays, division facts and mental methods.</p>  <p>Pencils come in packs of 20 We need to put 5 in each pot. How many pots will we need?</p>
Fractions		<p>Explore halves in context.</p> 	<p>Recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity.</p> 	<p>Recognise, find, name and write $\frac{1}{4}$, $\frac{1}{3}$, $\frac{1}{2}$, $\frac{2}{4}$, $\frac{3}{4}$ of length, shape, set of objects or quantity.</p> 
			<p>Recognise, find and name a quarter as 1 of 4 equal part of an object, shape or quantity.</p> 	<p>Write simple fractions, for example $\frac{1}{2}$ of 6 = 3</p> 




Multiplication & Division	Nursery	Reception	Year One	Year Two
Fractions				<p>Recognise equivalence of $\frac{1}{2}$ and $\frac{2}{4}$</p> 





Measurement	Nursery	Reception	Year One	Year Two
<h1 data-bbox="129 459 392 539">Length</h1>	<p data-bbox="481 284 887 357">Make comparisons of length in context.</p> 	<p data-bbox="909 284 1314 357">Compare the length of two objects.</p> 	<p data-bbox="1337 284 1742 501">Compare, describe and solve problems for length and height (for example, long/short, longer/shorter, tall/short, double/half).</p> 	<p data-bbox="1765 284 2170 453">Choose and use appropriate standard unit to estimate and measure length/height in any direction (m/cm).</p> 
			<p data-bbox="1337 730 1742 804">Measure and begin to record lengths and heights.</p> <p data-bbox="1368 900 1733 932">This pencil is 4 paper clips long.</p> 	<p data-bbox="1765 730 2170 852">compare and order lengths and record the results using $>$, $<$ and $=$.</p> 
			<p data-bbox="1337 1185 1742 1355">Start using non-standard measures and then move to standard measures such as rulers.</p> 	

Measurement	Nursery	Reception	Year One	Year Two
<h1>Mass/ Weight</h1>	<p>Make comparisons between objects related to their weight.</p> 	<p>Compare the weight of two objects.</p> 	<p>Compare, describe and solve practical problems for mass/weight (for example, heavy/light, heavier than, lighter than).</p> 	<p>Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit.</p> 
			<p>Measure and begin to record mass/weight.</p> 	<p>Compare and order mass and record using $>$, $<$ and $=$.</p> 
			<p>Start using non-standard measures and then move to standard measures.</p> 	



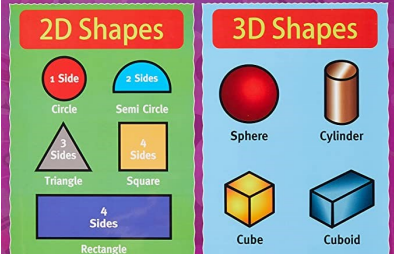
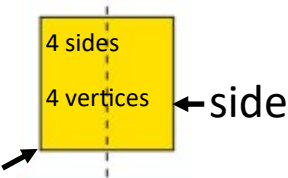


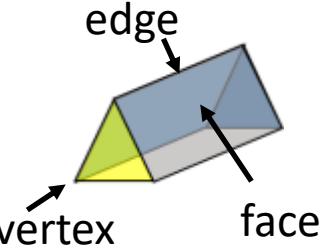
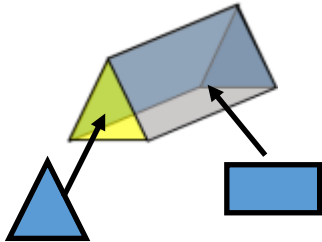
Measurement	Nursery	Reception	Year One	Year Two
<h1>Capacity</h1>	<p>Make comparisons between objects related to capacity.</p> 	<p>Compare the capacity of two objects.</p> 	<p>Compare, describe and solve practical problems for capacity and volume (for example, full/empty, more than, less than, half, half full, quarter).</p> 	<p>Choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit.</p> 
			<p>Measure and begin to record capacity/volume).</p> 	<p>Compare and order capacity/volume.</p> 


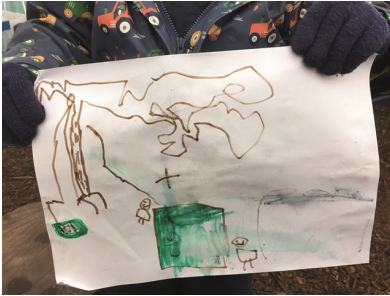
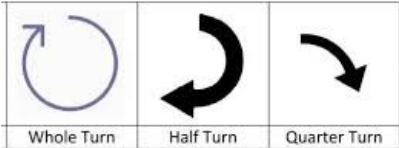
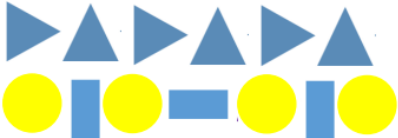


Measurement	Nursery	Reception	Year One	Year Two
<p style="text-align: center; font-size: 2em;">Time</p>	<p>Begin to describe a sequence of events, real or fictional, using words such as first and then.</p> <div style="text-align: center;">  </div>		<p>Compare, describe and solve practical problems for time (for example, quicker/slower, earlier/later).</p> <div style="text-align: center;">  </div>	<p>Compare and sequence intervals of time.</p> <div style="text-align: center;">  </div>
			<p>sequence events in chronological order using the language 'before, after, next, first, today, yesterday, tomorrow, morning, afternoon, evening'.</p> <div style="text-align: center;">  </div>	<p>Tell and write time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times:</p> <div style="text-align: center;">  </div>
			<p>Recognise and use language relating to dates, including days of the week, weeks, months, years.</p> <div style="text-align: center;">  </div>	<p>Know the number of minutes in an hour and the number of hours in a day.</p> <div style="text-align: center;">  </div>

Measurement	Nursery	Reception	Year One	Year Two
Time			<p>Measure and begin to record time (hours, minutes, seconds).</p> 	
			<p>Tell the time to the hour and half past the hour, draw the hands on a clock face to show these times.</p> 	
Temperature				<p>To choose and use appropriate standard units to estimate and measure temperature ($^{\circ}\text{C}$) using a thermometer.</p> 

Measurement	Nursery	Reception	Year One	Year Two
<p style="text-align: center; font-size: 2em;">Money</p>			<p>Recognise and know the value of different denominations of coins and notes.</p> 	<p>Recognise and use symbols for pounds (£) and pence (p).</p> 
				<p>Combine amounts to make a particular value.</p> 
				<p>Find different combinations of coins that equal the same amounts of money.</p> 

Measurement	Nursery	Reception	Year One	Year Two
Money				<p>Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</p>  <p>He spends 54 p. How much does he have left?</p>

Geometry	Nursery	Reception	Year One	Year Two
<h1>Properties of Shape</h1>	<p>Talk about and explore 2D & 3D shapes (e.g. circles, rectangles, triangles and cuboids) using informal language – sides, corners, straight, flat, round.</p> 	<p>Select, rotate and manipulate shapes in order to develop spatial reasoning skills.</p> 	<p>Recognise and name common 2D and 3D shapes.</p> 	<p>Identify and describe the properties of 2D shapes, including sides and line of symmetry in a vertical line.</p> 
	<p>Select and combine shapes when building.</p> 	<p>Compose and decompose shapes so that children can recognise a shape can have other shapes within it, just as numbers can.</p> 		<p>Identify and describe the properties of 3D shapes, including edges, vertices and faces.</p> 
				<p>Identify 2D shapes on the surface of 3D shapes.</p> 

Geometry	Nursery	Reception	Year One	Year Two
<p>Properties of Shape</p>				<p>Compare and sort 2D and 3D shapes and everyday objects.</p> 
<p>Direction And Movement</p>		<p>Draw information from a simple map.</p> 	<p>Describe position, direction and movement, including whole, half, quarter and three-quarter turns.</p> 	<p>Order and arrange combinations of mathematical objects in patterns and sequences.</p> 
		<p>Continue, copy and create repeating patterns.</p> 		<p>Describe position, direction and movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).</p> 

Geometry	Nursery	Reception	Year One	Year Two
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<h1 style="text-align: center;">Statistics</h1>			
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Interpret and construct simple pictograms, tally charts, block diagrams and tables.

Fruit	Number of children
apples	6
bananas	4
strawberries	8
grapes	3
oranges	2

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Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.

How many?

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Ask and answer questions about totalling and comparing categorical data.

How many more?