

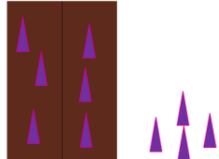
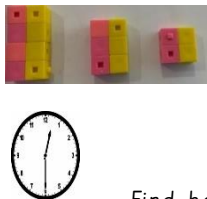

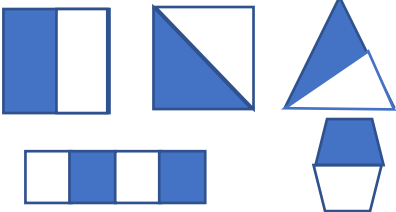
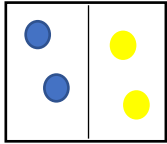
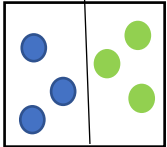





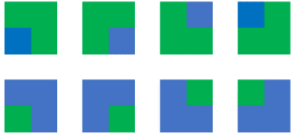
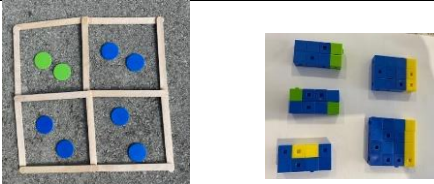
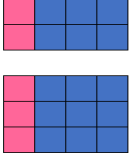
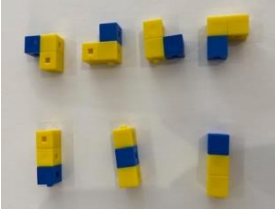
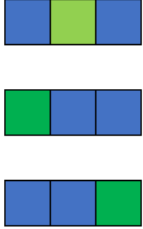

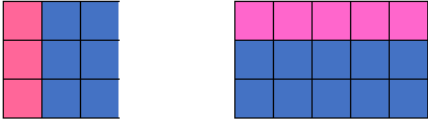


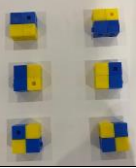
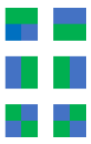

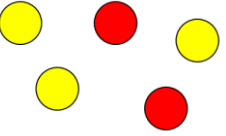


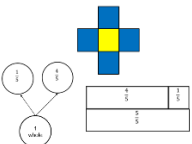
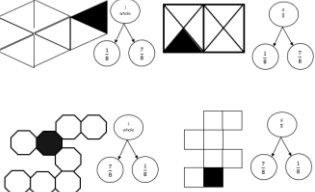
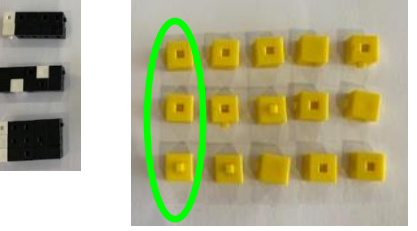
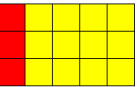
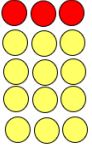
Fractions Policy


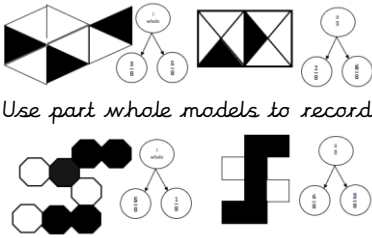
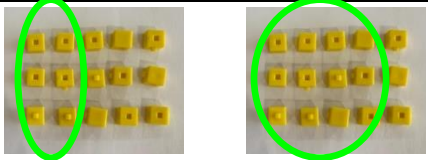
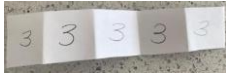
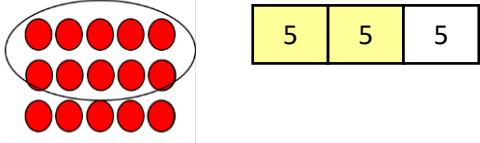

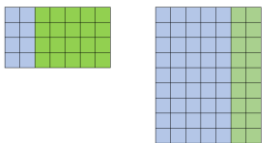
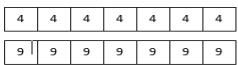




EYFS – Year 6

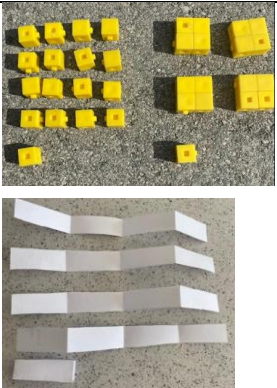
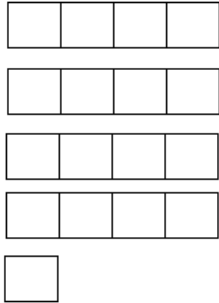
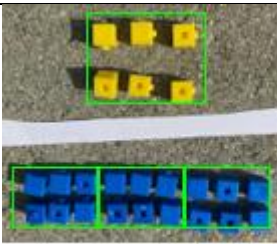
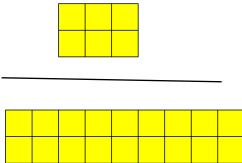

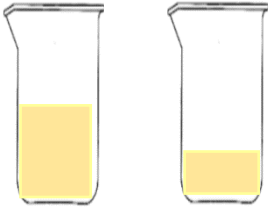
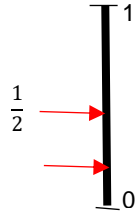
November 2022

	Concrete	Pictorial	Abstract
EYFS			
To solve problems including halves	  <p>Halves of fruit or drinks and other common items</p>	 <p>Half and share images E.g. put half of the purple spikes on the Gruffalo</p>	
Key Stage 1			
To find $\frac{1}{2}$ of a shape	  <p>Find half using cubes or everyday items</p>	 <p>Find half of variety shapes in different ways</p>	
To find $\frac{1}{2}$ of a number	  <p>Find half using cubes or counters</p>	 <p>Find half using cubes or counters</p>	$\frac{1}{2}$ of 8 = 4 $\frac{1}{2}$ of 10 = 5


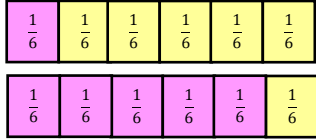
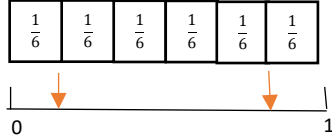

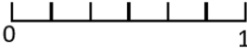
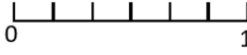
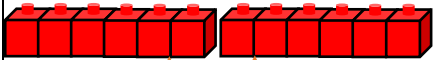
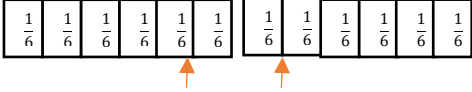
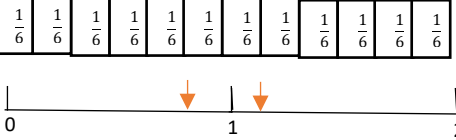
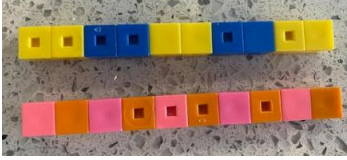
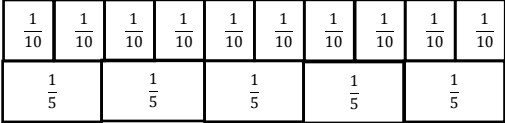
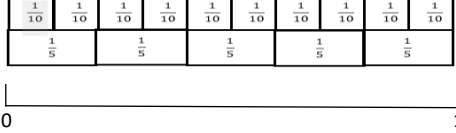

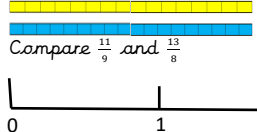


<p>To find $\frac{1}{4}$ of a shape</p> <p>To find $\frac{3}{4}$ of a shape</p>	  <p>Find quarter using cubes or everyday items and show in different ways</p>	 <p>Find quarter using pictures and show in different ways</p>	
<p>To find $\frac{1}{4}$ of a number</p> <p>To find $\frac{3}{4}$ of a number</p>	 <p>Find quarter using cubes or everyday items and show in different ways</p>	 <p>Find quarter using pictures and show in different ways</p>	<p>$\frac{1}{4}$ of 8 = 2</p> <p>$\frac{1}{4}$ of 12 = 3</p>
<p>To find $\frac{1}{3}$ of a shape</p>	 <p>Find third using cubes or everyday items and show in different ways</p>	 <p>Find third using pictures and show in different ways</p>	
<p>To find $\frac{1}{3}$ of a number</p>	 <p>Find third using cubes and show in different ways</p>	 <p>Find third using pictures and show in different ways</p>	<p>$\frac{1}{3}$ of 9 = 3</p> <p>$\frac{1}{3}$ of 15 = 5</p>

Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$			$\frac{2}{4}$ and $\frac{1}{2}$
Key Stage 2			
Recognise, find, and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	 <p>What fraction are apples? Pears? Limes?</p>	<p>What fraction is red?</p>  <p>What fraction are square? Circles?</p> 	<p>What fraction are multiples of 3?</p> <div> <div>27</div> <div>13</div> <div>23</div> <div>9</div> <div>21</div> </div>
Find unitary fractions of shapes	  <p>Find unitary fractions using cubes or everyday items and show in different ways</p>	 <p>Find unitary fractions using pictures and show in different ways</p>	
Find unitary fractions of numbers	 <p>Find unitary fractions using cubes</p>	<p>$\frac{1}{5}$ of 15</p>   <p>Find unitary fractions using pictures</p>	<p>$\frac{1}{5}$ of 25</p> <p>$\frac{1}{9}$ of 27</p> <p>$\frac{1}{6}$ of 18</p>

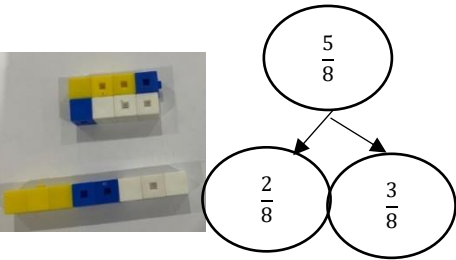
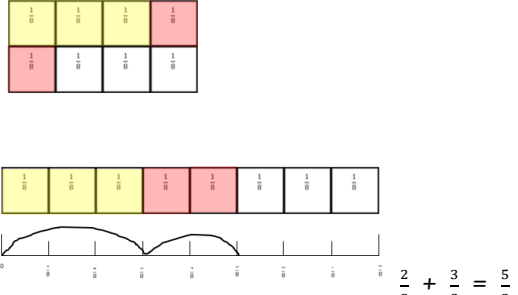
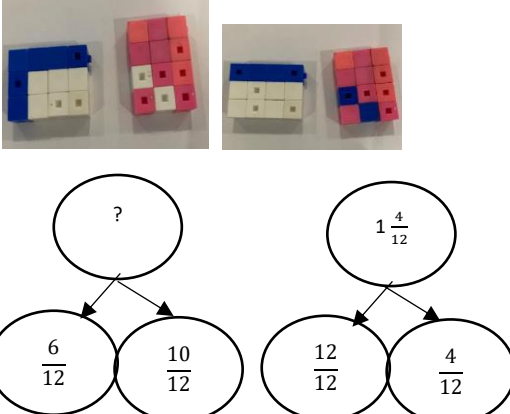
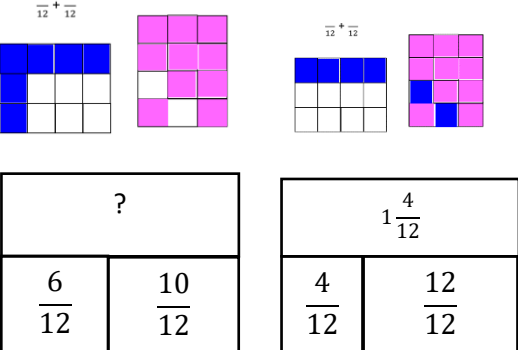
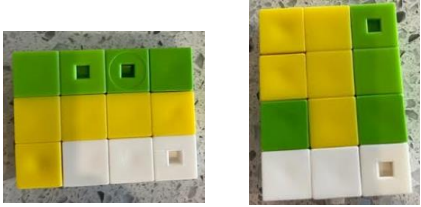
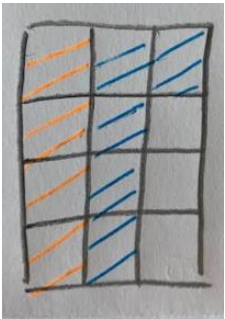
Find Non-unitary fractions of shapes	 <p>Use part whole models to record what you see</p>	 <p>Use part whole models to record what you see</p>	
Find Non-unitary fractions of numbers	  <p>Link the array to a part whole model used folded paper or practical resources</p>	<p>$\frac{2}{3}$ of 15</p>  <p>Link the array to a part whole model</p>	<p>$\frac{2}{3}$ of 15</p> <p>$\frac{3}{5}$ of 25</p>
Find increasingly difficult non unitary fractions	<p>Find $\frac{3}{7}$ OF 42 and $\frac{5}{6}$ of 42 Compare fraction of same number</p> 	<p>Find $\frac{2}{7}$ of 28 and $\frac{5}{7}$ of 63 Compare fractions using same denominator - use of part whole/bar</p>  	<p>Compare fractions</p> <p>$\frac{3}{7}$ of 49  $\frac{8}{28}$ × 21</p> <p>$\frac{2}{5}$ of 45  $\frac{3}{5}$ × 30</p> <p>$\frac{3}{8}$ of 72  $\frac{18}{24}$ × 32</p> <p>$\frac{1}{6}$ of 24  $\frac{12}{18}$ × 36</p>





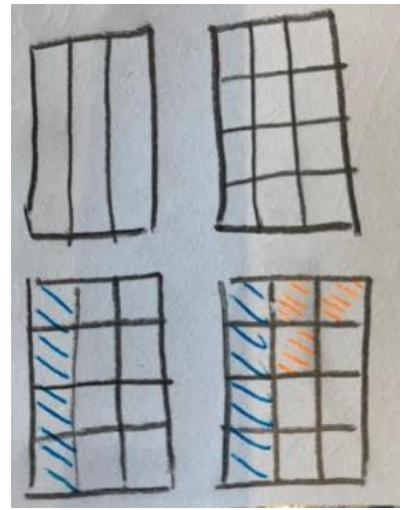

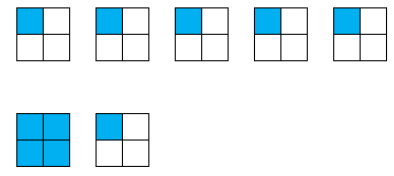

<p>Recognise mixed numbers and improper fractions</p>		$\frac{17}{4}$		$\frac{17}{4} = 4\frac{1}{4}$
<p>Use common factors to simplify fractions</p>				$\frac{6}{18}$ <p>Find largest common factor of 6 and simplify to $\frac{1}{3}$</p>
<p>Compare and Order fractions</p>				
<p>Compare and order unit fractions</p>				 <p>Compare $\frac{1}{6}$ and $\frac{5}{6}$</p>







$$\frac{1}{4}$$



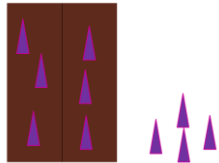


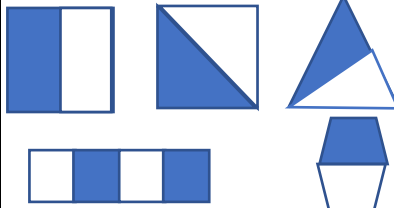
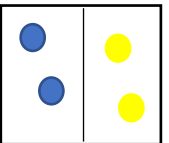
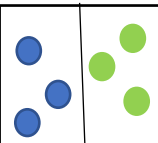

Compare and order fractions of the same denominator	<p>Compare $\frac{1}{6}$ and $\frac{5}{6}$</p> 	<p>Compare $\frac{1}{6}$ and $\frac{5}{6}$</p> 	
		  <p>Show both fractions ($\frac{1}{6}$ and $\frac{5}{6}$) on the number line</p>	
Compare and order fractions of the same denominator	 <p>Compare $\frac{5}{6}$ and $\frac{7}{6}$</p>	 <p>Compare $\frac{5}{6}$ and $\frac{7}{6}$</p>	
Compare and order fractions of the whose denominators are all multiples of the same number			
Compare and order fractions including fractions > 1		<p>Compare $\frac{6}{8}$ and $\frac{7}{9}$</p> 	 <p>Compare $\frac{11}{9}$ and $\frac{13}{8}$</p>
Equivalent Fractions			
Recognise and show, using diagrams, families of common equivalent fractions with small denominators			




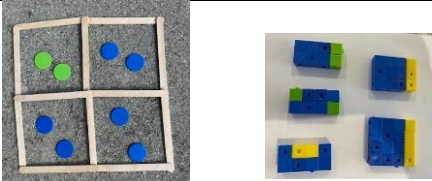
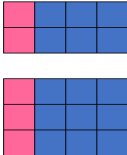
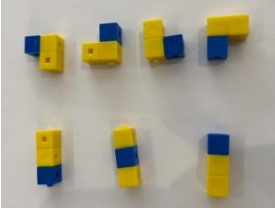
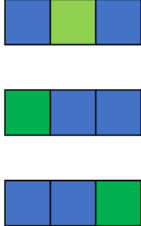


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Recognise and show, using diagrams, families of common equivalent fractions	<div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{2}{9} = \frac{4}{18} = \frac{6}{27} = \frac{8}{36}$</div></div>	<div><div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div></div><div><div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div></div></div><div>Family of $\frac{1}{5}$ and $\frac{4}{5}$</div><div><div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div><div><div><div></div><div></div></div><div><div></div><div></div></div></div></div><div>Family of $\frac{2}{3}$ and $\frac{1}{3}$</div></div></div>	<div><div><div><div>1</div><div>2</div><div>3</div><div>4</div><div>5</div><div>6</div><div>7</div><div>8</div></div><div><div>2</div><div>4</div><div>6</div><div>8</div><div>10</div><div>12</div><div>14</div><div>16</div></div><div><div>3</div><div>6</div><div>9</div><div>12</div><div>15</div><div>18</div><div>21</div><div>24</div></div><div><div>4</div><div>8</div><div>12</div><div>16</div><div>20</div><div>24</div><div>28</div><div>32</div></div><div><div>5</div><div>10</div><div>15</div><div>20</div><div>25</div><div>30</div><div>35</div><div>40</div></div><div><div>6</div><div>12</div><div>18</div><div>24</div><div>30</div><div>36</div><div>42</div><div>48</div></div><div><div>7</div><div>14</div><div>21</div><div>28</div><div>35</div><div>42</div><div>49</div><div>56</div></div><div><div>8</div><div>16</div><div>24</div><div>32</div><div>40</div><div>48</div><div>56</div><div>64</div></div></div></div>
Identify name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	<div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{12}{36} = \frac{1}{3}$</div><div><div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{24}{36} = \frac{2}{3}$</div></div></div>	<div><div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{40}{100} = \frac{4}{10} = \frac{2}{5}$</div></div>	<div>Write fractions that are equivalent to $\frac{3}{5}$</div> <div><div><div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{30}{50}$</div><div><div><div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{60}{100}$</div><div><div><div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{120}{200}$</div><div><div><div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{15}{25}$</div><div><div><div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{21}{35}$</div><div><div><div><div><div></div><div></div><div></div><div></div><div></div></div></div><div><div><div></div><div></div><div></div><div></div><div></div></div></div></div><div>$\frac{27}{45}$</div></div></div></div></div></div></div>
Calculation Addition and Subtraction of fractions			

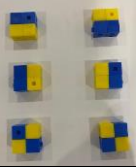
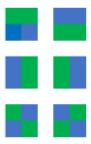

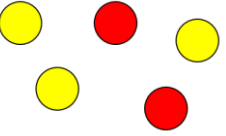


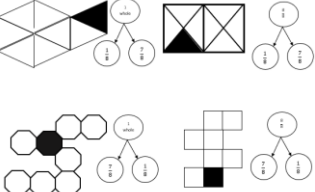
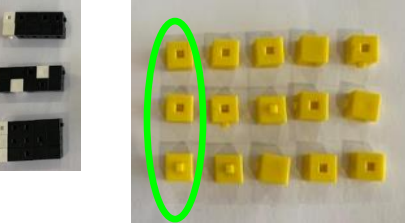
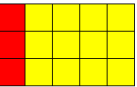
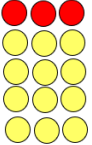
<p>Add and subtract fractions with the same denominator within one whole</p>		 $\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$	$\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$ $\frac{2}{8} + \frac{3}{8} + \frac{3}{8} = \frac{8}{8}$
<p>Add and subtract fractions with the same denominator</p>		 $\frac{6}{12} + \frac{10}{12} = 1\frac{4}{12}$	$\frac{6}{12} + \frac{10}{12} = 1\frac{4}{12}$ $1\frac{4}{12} = 1\frac{1}{3}$
<p>Add and subtract fractions with denominators that are multiples of the same number</p>	 <p>(This a remodel to show $\frac{3}{4}$)</p>		$\frac{5}{12} + \frac{1}{3} = \frac{3}{4}$


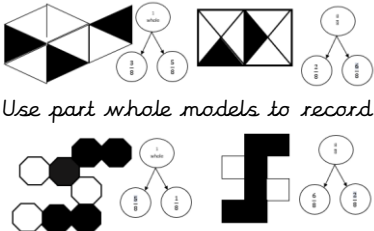
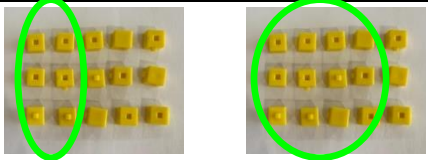
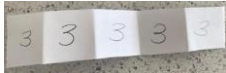
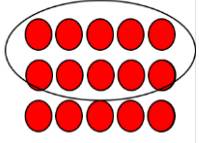
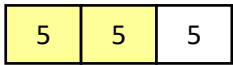

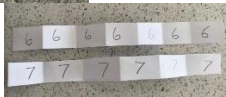
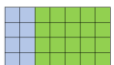
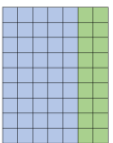
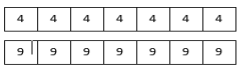




<p>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p>	<p>$\frac{1}{3} + \frac{1}{4}$</p> <div>   </div> <p>Find $\frac{1}{3}$ Find $\frac{1}{4}$ by turning paper</p> <div>   </div> <p>Show $\frac{1}{3}$ Show $\frac{1}{4}$</p> <p>Answer = $\frac{7}{12}$</p>		<p>$\frac{1}{3} + \frac{1}{4}$</p> <p>$\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$</p>
<p>Calculation Multiplication and division</p>			
<p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</p>	<p>$\frac{1}{4} \times 5$</p> 	<p>$\frac{1}{4} \times 5$</p> 	<p>$\frac{1}{4} \times 5$</p> <p>$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{5}{4}$</p> <p>$\frac{5}{4} = 1\frac{1}{4}$</p>
<p>Multiply pairs of proper fractions, writing the answer its simplest form</p>	<p>$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$</p> <p>$\frac{1}{3}$ of $\frac{1}{2}$ $\frac{1}{2}$ of $\frac{1}{3}$</p>	<p>$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$</p> 	<p>$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$</p>

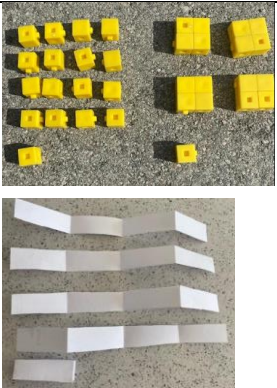
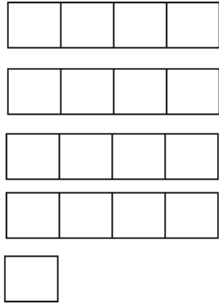
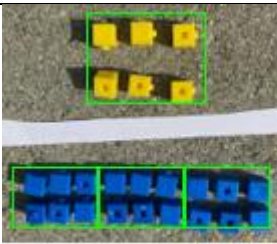
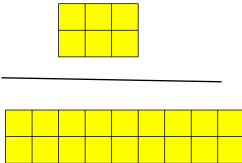

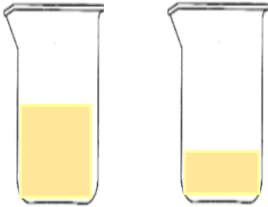
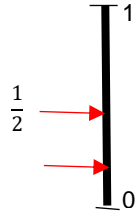
			
Divide proper fractions by whole numbers	$\frac{1}{3} \div 2$  $\frac{1}{2} \div 3$ 	$\frac{1}{3} \div 2$  $\frac{1}{2} \div 3$ 	$\frac{1}{3} \div 2$ $= \frac{1}{6}$ $\frac{1}{3} \div \frac{2}{1}$ $= \frac{1}{6}$ $\frac{1}{3} \times \frac{1}{2}$

	Concrete	Pictorial	Abstract
EYFS			
To solve problems including halves	  <p>Halves of fruit or drinks and other common items</p>	 <p>Half and share images E.g. put half of the purple spikes on the Gruffalo</p>	
Key Stage 1			
To find $\frac{1}{2}$ of a shape	  <p>Find half using cubes or everyday items</p>	 <p>Find half of variety shapes in different ways</p>	
To find $\frac{1}{2}$ of a number	  <p>Find half using cubes or counters</p>	 <p>Find half using cubes or counters</p>	$\frac{1}{2}$ of 8 = 4 $\frac{1}{2}$ of 10 = 5


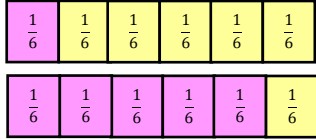
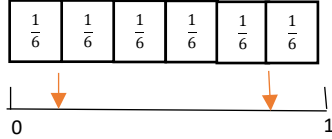

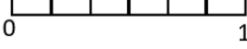
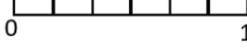
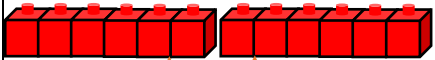
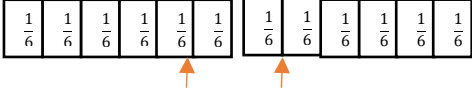
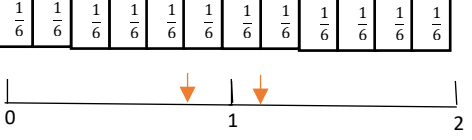
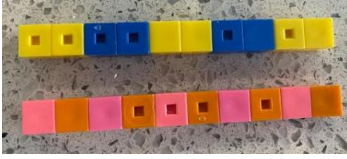
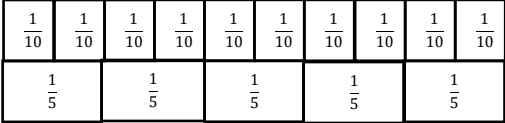
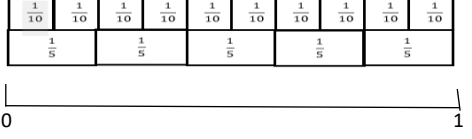

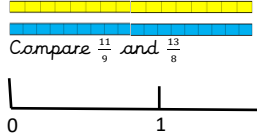


<p>To find $\frac{1}{4}$ of a shape</p> <p>To find $\frac{3}{4}$ of a shape</p>	  <p>Find quarter using cubes or everyday items and show in different ways</p>	 <p>Find quarter using pictures and show in different ways</p>	
<p>To find $\frac{1}{4}$ of a number</p> <p>To find $\frac{3}{4}$ of a number</p>	 <p>Find quarter using cubes or everyday items and show in different ways</p>	 <p>Find quarter using pictures and show in different ways</p>	<p>$\frac{1}{4}$ of 8 = 2</p> <p>$\frac{3}{4}$ of 12 = 3</p>
<p>To find $\frac{1}{3}$ of a shape</p>	 <p>Find third using cubes or everyday items and show in different ways</p>	 <p>Find third using pictures and show in different ways</p>	
<p>To find $\frac{1}{3}$ of a number</p>	 <p>Find third using cubes and show in different ways</p>	 <p>Find third using pictures and show in different ways</p>	<p>$\frac{1}{3}$ of 9 = 3</p> <p>$\frac{1}{3}$ of 15 = 5</p>

Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$			$\frac{2}{4}$ and $\frac{1}{2}$
Key Stage 2			
Recognise, find, and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	 <p>What fraction are apples? Pears? Limes?</p>	<p>What fraction is red?</p>  <p>What fraction are square? Circles?</p> 	<p>What fraction are multiples of 3?</p> <div> <div>27</div> <div>13</div> <div>23</div> <div>9</div> <div>21</div> </div>
Find unitary fractions of shapes	 <p>Find unitary fractions using cubes or everyday items and show in different ways</p>	 <p>Find unitary fractions using pictures and show in different ways</p>	
Find unitary fractions of numbers	 <p>Find unitary fractions using cubes</p>	<p>$\frac{1}{5}$ of 15</p>   <p>Find unitary fractions using pictures</p>	<p>$\frac{1}{5}$ of 25</p> <p>$\frac{1}{9}$ of 27</p> <p>$\frac{1}{6}$ of 18</p>

Find Non-unitary fractions of shapes	 <p>Use part whole models to record what you see</p>	 <p>Use part whole models to record what you see</p>	
Find Non-unitary fractions of numbers	  <p>Link the array to a part whole model used folded paper or practical resources</p>	<p>$\frac{2}{3}$ of 15</p>   <p>Link the array to a part whole model</p>	<p>$\frac{2}{3}$ of 15</p> <p>$\frac{3}{5}$ of 25</p>
Find increasingly difficult non unitary fractions	<p>Find $\frac{3}{7}$ OF 42 and $\frac{5}{6}$ of 42</p> <p>Compare fraction of same number</p>  	<p>Find $\frac{2}{7}$ of 28 and $\frac{5}{7}$ of 63</p> <p>Compare fractions using same denominator - use of part whole/bar</p>   	<p>Compare fractions</p> <p>$\frac{3}{7}$ of 49  $\frac{8}{28} \times 21$</p> <p>$\frac{2}{5}$ of 45  $\frac{3}{5} \times 30$</p> <p>$\frac{3}{8}$ of 72  $\frac{18}{24} \times 32$</p> <p>$\frac{1}{6}$ of 24  $\frac{12}{18} \times 36$</p>

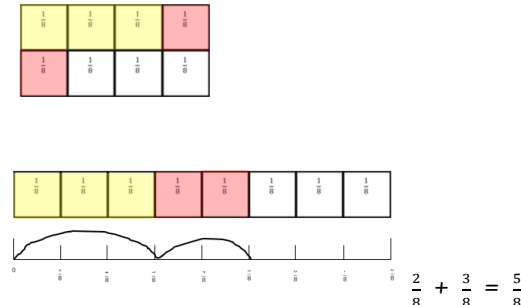
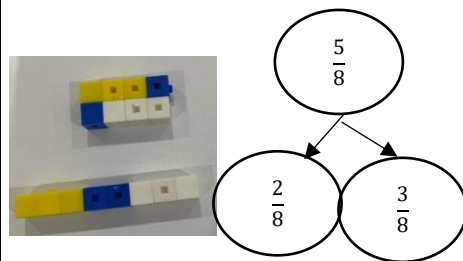
<p>Recognise mixed numbers and improper fractions</p>		$\frac{17}{4}$		$\frac{17}{4} = 4\frac{1}{4}$
<p>Use common factors to simplify fractions</p>				$\frac{6}{18}$ <p>Find largest common factor of 6 and simplify to $\frac{1}{3}$</p>
<p>Compare and Order fractions</p>				
<p>Compare and order unit fractions</p>				 <p>Compare $\frac{1}{6}$ and $\frac{5}{6}$</p>

$$\frac{1}{4}$$

Compare and order fractions of the same denominator	<p>Compare $\frac{1}{6}$ and $\frac{5}{6}$</p> 	<p>Compare $\frac{1}{6}$ and $\frac{5}{6}$</p> 	
		  <p>Show both fractions ($\frac{1}{6}$ and $\frac{5}{6}$) on the number line</p>	
Compare and order fractions of the same denominator	 <p>Compare $\frac{5}{6}$ and $\frac{7}{6}$</p>	 <p>Compare $\frac{5}{6}$ and $\frac{7}{6}$</p>	
Compare and order fractions of the whose denominators are all multiples of the same number			
Compare and order fractions including fractions > 1		<p>Compare $\frac{6}{8}$ and $\frac{7}{9}$</p> 	 <p>Compare $\frac{11}{9}$ and $\frac{13}{8}$</p>
Equivalent Fractions			
Recognise and show, using diagrams, families of common equivalent fractions with small denominators			

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Recognise and show, using diagrams, families of common equivalent fractions	<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div><div>$\frac{2}{9} = \frac{4}{18} = \frac{6}{27} = \frac{8}{36}$</div></div></div></div>	<div><div><div><div><div></div></div><div><div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div></div></div><div>Family of $\frac{1}{5}$ and $\frac{4}{5}$</div><div><div><div><div><div></div></div><div><div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div><div><div><div><div><div></div></div></div><div><div><div></div></div></div></div></div></div><div>Family of $\frac{2}{3}$ and $\frac{1}{3}$</div></div></div></div></div></div></div></div></div></div></div>	<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div><div></div></div></div></div>
Identify name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div><div>$\frac{12}{36} = \frac{1}{3}$</div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div>$\frac{24}{36} = \frac{2}{3}$</div></div></div></div></div></div>	<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div><div>$\frac{40}{100} = \frac{4}{10} = \frac{2}{5}$</div></div></div></div>	<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div><div>Write fractions that are equivalent to $\frac{3}{5}$</div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div>$\frac{30}{50}$</div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div>$\frac{60}{100}$</div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div>$\frac{120}{200}$</div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div>$\frac{15}{25}$</div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div>$\frac{21}{35}$</div><div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div>$\frac{27}{45}$</div></div></div></div></div></div></div></div></div></div></div></div></div></div></div></div>
Calculation Addition and Subtraction of fractions			

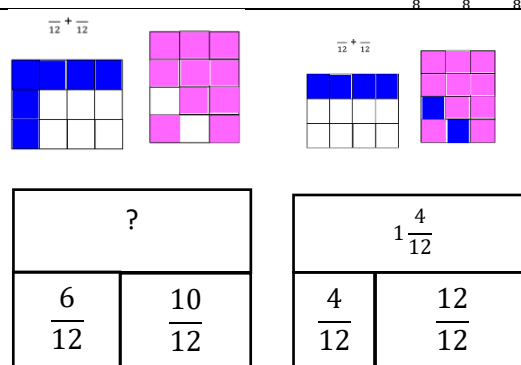
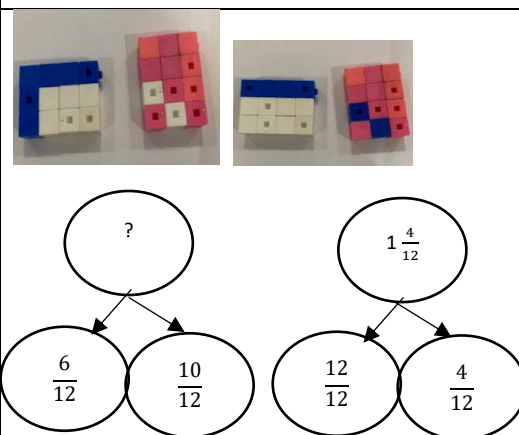
Add and subtract fractions with the same denominator within one whole



$$\frac{2}{8} + \frac{3}{8} = \frac{5}{8}$$

$$\frac{2}{8} + \frac{3}{8} + \frac{3}{8} = \frac{8}{8}$$

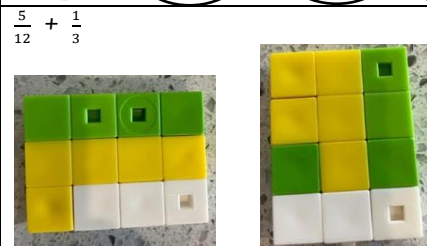
Add and subtract fractions with the same denominator



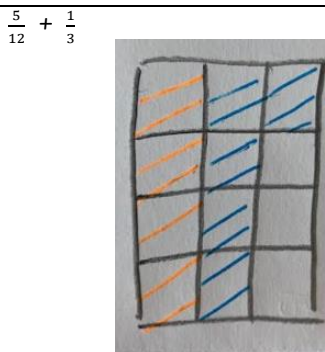
$$\frac{6}{12} + \frac{10}{12} = 1\frac{4}{12}$$

$$1\frac{4}{12} = 1\frac{1}{3}$$





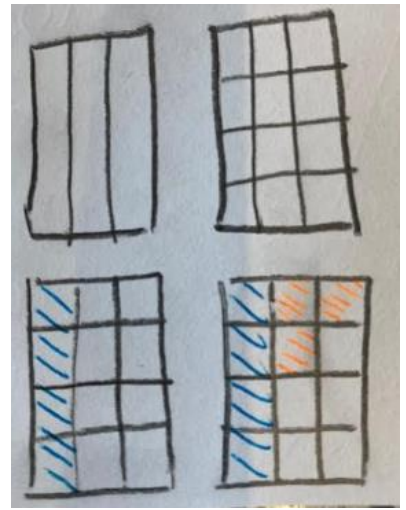

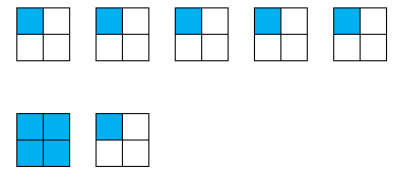

Add and subtract fractions with denominators that are multiples of the same number









(This a remodel to show $\frac{3}{4}$)



$$\frac{5}{12} + \frac{1}{3} = \frac{3}{4}$$

<p>Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</p>	<p>$\frac{1}{3} + \frac{1}{4}$</p> <div>   </div> <p>Find $\frac{1}{3}$ Find $\frac{1}{4}$ by turning paper</p> <div>   </div> <p>Show $\frac{1}{3}$ Show $\frac{1}{4}$</p> <p>Answer = $\frac{7}{12}$</p>		<p>$\frac{1}{3} + \frac{1}{4}$</p> <p>$\frac{4}{12} + \frac{3}{12} = \frac{7}{12}$</p>
<p>Calculation Multiplication and division</p>			
<p>Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams</p>	<p>$\frac{1}{4} \times 5$</p> 	<p>$\frac{1}{4} \times 5$</p> 	<p>$\frac{1}{4} \times 5$</p> <p>$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{5}{4}$</p> <p>$\frac{5}{4} = 1\frac{1}{4}$</p>
<p>Multiply pairs of proper fractions, writing the answer its simplest form</p>	<p>$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$</p> <p>$\frac{1}{3}$ of $\frac{1}{2}$ $\frac{1}{2}$ of $\frac{1}{3}$</p>	<p>$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$</p> 	<p>$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$</p>

			
Divide proper fractions by whole numbers	$\frac{1}{3} \div 2$  $\frac{1}{2} \div 3$ 	$\frac{1}{3} \div 2$  $\frac{1}{2} \div 3$ 	$\frac{1}{3} \div 2$ $= \frac{1}{6}$ $\frac{1}{3} \div \frac{2}{1}$ $= \frac{1}{6}$ $\frac{1}{3} \times \frac{1}{2}$