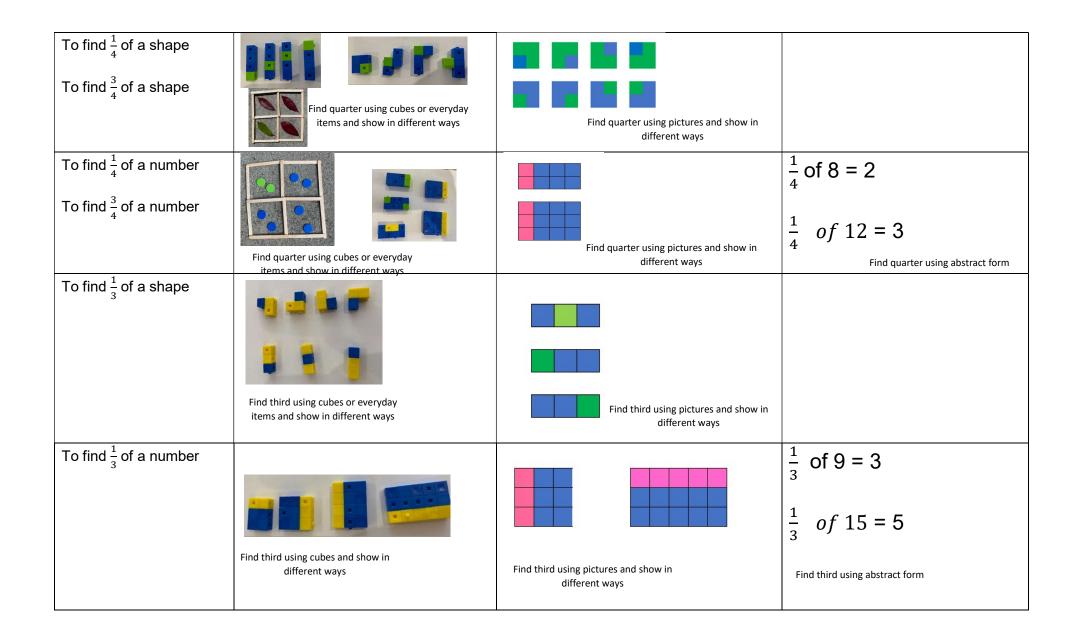


Oakdene Primary Fractions Policy Updated: June 2020

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



Key Stage 2			
Recognise, find, and write fractions of a discrete set of objects: unit fractions and non- unit fractions with small denominators	What fraction are apples? Pears? Limes?	What fraction is red? What fraction are square? Circles?	What fraction are multiples of 3? 27 13 23 9 21
Find unitary fractions of shapes	Find unitary fractions using cubes or everyday	Image: state stat	
Find unitary fractions of numbers	items and show in different ways	1/5 of 15 Image: state st	$\frac{1}{5}$ of 25 $\frac{1}{9}$ of 27 $\frac{1}{6}$ of 18
Find Non-unitary fractions of shapes	Use part whole models to record what you see	Use part whole models to record what you see	

Find Non-unitary fractions of numbers	Link the array to a part whole model used folded paper or practical resources	$\frac{2}{3} \text{ of } 15$ Link the array to a part whole model $5 5 5 5$	$\frac{2}{3}$ of 15 $\frac{3}{5}$ of 25
Find increasingly difficult non unitary fractions	Find 3/7 OF 42 and 5/6 of 42 Comapre fraction of same number	Find 2/7 of 28 and 5/7 of 63 Compare fractions using same denominator	Compare fractions $\frac{3}{7}$ of 49 $\frac{8}{28}$ × 21 $\frac{2}{5}$ of 45 $\frac{3}{5}$ × 30 $\frac{3}{5}$ of 72 $\frac{18}{24}$ × 32 $\frac{1}{6}$ of 24 $\frac{12}{18}$ × 36
Recognise mixed numbers and improper fractions	$\frac{17}{4}$		$\frac{17}{4} = 4\frac{1}{4}$

Use common factors to simplify fractions			$\frac{6}{18}$ Find largest common factor of 6and simplify to $\frac{1}{3}$
Compare and Order fraction	ons		
Compare and order unit fractions			$\begin{array}{c} 1\\ \frac{1}{2}\\ \frac{1}{4}\\ 0 \end{array}$
Compare and order fractions of the same denominator	Compare $\frac{1}{6}$ and $\frac{5}{6}$	Compare $\frac{1}{6}$ and $\frac{5}{6}$ $\frac{1}{6}$	Compare $\frac{1}{6}$ and $\frac{5}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ $\frac{1}{6}$ 0 1
		Show both fractions $(\frac{1}{6} \text{ and } \frac{5}{6})$ on the number line	
Compare and order fractions of the same denominator	Compare $\frac{5}{6}$ and $\frac{7}{6}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$

Compare and order fractions of the whose denominators are all multiples of the same number		$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$
Compare and order fractions including fractions > 1	Compare $\frac{6}{8}$ and $\frac{7}{9}$		Compare $\frac{11}{9}$ and $\frac{13}{8}$ 0 1 2
Equivalent Fractions			
Recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ Recognise and show, using diagrams, families of common equivalent fractions with small denominators			$\frac{2}{4}$ and $\frac{1}{2}$
	Family of $\frac{1}{4}$ and $\frac{3}{4}$	Find a fraction of a shape and cut into equal groups in different ways	1 2 3 4 5 6 7 8 5 10 15 20 25 30 35 40 Use double number line

Recognise and show, using diagrams, families of common equivalent fractions	$\frac{2}{9} = \frac{4}{18} = \frac{6}{27} = \frac{8}{36}$	Family of $\frac{1}{5}$ and $\frac{4}{5}$ Family of $\frac{1}{5}$ and $\frac{4}{5}$	1 2 3 4 5 6 7 8 2 4 6 8 10 12 14 16 3 6 9 12 15 18 21 24 4 8 12 16 20 24 28 32 5 10 15 20 25 30 35 40 6 12 18 24 30 36 42 48 7 14 21 28 35 42 49 56 8 16 24 32 40 48 56 64	
Identify name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	$\frac{12}{36} = \frac{1}{3}$ $\frac{24}{36} = \frac{2}{3}$	$\frac{40}{100} = \frac{4}{10} = \frac{2}{5}$	Write fractions that are equivalent to $\frac{3}{5}$ $\frac{30}{50}$ $\frac{60}{100}$ $\frac{120}{200}$ $\frac{15}{25}$ $\frac{21}{35}$ $\frac{27}{45}$	
Calculation Addition and Subtraction of	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	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	$ \begin{array}{c} \frac{6}{12} + \frac{10}{12} = 1\frac{4}{12} \\ \frac{6}{12} + \frac{10}{12} = 1\frac{4}{12} \\ 1\frac{4}{12} & \frac{12}{12} \\ \frac{4}{12} & \frac{12}{12} \end{array} $
Add and subtract fractions with denominators that are multiples of the same number	$\frac{5}{12} + \frac{1}{3}$ $(This a remodel to show \frac{3}{4})$ $\frac{5}{12} + \frac{1}{3}$	$\frac{5}{12} + \frac{1}{3} = \frac{3}{4}$

