Templars Primary School Knowledge Organiser

Year 4 Fractions

Key Vocabulary	Fraction wall	Equivalent fractions		
numerator	$\frac{1}{\frac{1}{2}}$	Equivalent fractions are fractions with different		
	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	value or proportion of the whole		
unit fraction	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	2		
non-unit fraction	$\begin{array}{c c c c c c c c c c c c c c c c c c c $	$\frac{4}{6}$ is the same as $\frac{2}{3}$		
equal groups	$\begin{array}{c c c c c c c c c c c c c c c c c c c $			
equivalent	$\overline{8}$ $\overline{8}$ $\overline{8}$ $\overline{8}$ $\overline{8}$ $\overline{8}$ $\overline{8}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$ $\frac{1}{9}$	$\frac{2}{2}$ 2 is the same as 1		
quantities	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$			
whole	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	3		
halves	Fractions of quan	tities and amounts		
thirds	To find a fraction of an amount or quantity, divide by the de	enominator and multiply by the numerator		
quarters	20	56		
fifths	5 5 5 5	7 7 7 7 7 7 7 7		
sixths	$\frac{1}{4}$ of 20 = 5 $\frac{2}{4}$ of 20 = 10 $\frac{3}{4}$ of 20 = 15 $\frac{4}{4}$ of 20 = 20	$\frac{1}{8}$ of 56 = 7 $\frac{2}{8}$ of 56 = 14 $\frac{3}{8}$ of 56 = 21 $\frac{4}{8}$ of 56 = 28		
sevenths	To find ¾ of 20	To find 6/8 of 56		
eighths	20 ÷ 4 = 5 x 3 = 15	$56 \div 8 = 7 \times 6 = 42$		

Adding fractions

To add fractions with the same denominator, add the numerators and the denominator stays the same.



Subtracting fractions

To subtract fractions with the same denominator, subtract the numerators and the denominator stays the same.



Counting in fractions / hundredths

Hundredths arise where a number of objects or an object is divided into one hundred equal parts.

The grid has one						
hundred equal	\square					_
parts	\vdash					_
P ~	\vdash					_
One hundredth is						
shaded						
1/100 is shaded.	\square					_
	1					







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