Year 4 Red Kites Maths Spring 2

Fractions and Decimals

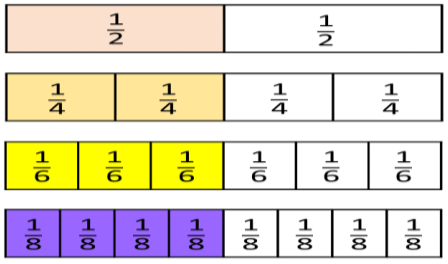
Key Vocabulary	Definition
convert	To change a fraction from an improper fraction to a mixed fraction or the other way around.
decimal point	A dot which separates the whole number and the fractional part of the number.
decimals	A number that is not a whole e.g. 1.3
denominator	The number below the fraction line and it shows how many parts make a whole.
equal parts	Equal parts when put together make a whole.
equivalent fractions	Fractions that are equal but have different numerators and denominators
fraction	A part of a whole or a number of parts of a whole.
improper fraction	A fraction with a higher value numerator than denominator e.g. $\frac{11}{4}$
integer	A number with no fraction part including zero.
like fractions	Fractions that have the same denominator.
mixed number	A fraction with an integer and a fraction. e.g. $3\frac{3}{4}$
numerator	The number above the fraction line and it shows how parts of the whole the fraction is.
unlike fractions.	Fractions that have different denominators.
whole	All the equal parts of a number together.

What are fractions?

Fractions show equal parts of a whole. Here the whole has been split into 5 equal parts. (denominator). We are looking at 2 2 of these equal

$\frac{2}{5}$

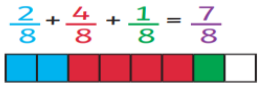
Equivalent fraction families. All these fractions are equivalent t $\frac{1}{2}$

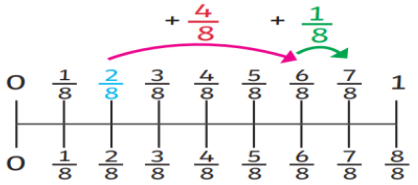


$\frac{1}{2} = \frac{2}{4} = \frac{3}{6} = \frac{4}{8}$

Adding and subtracting like fractions (same denominators)

Adding

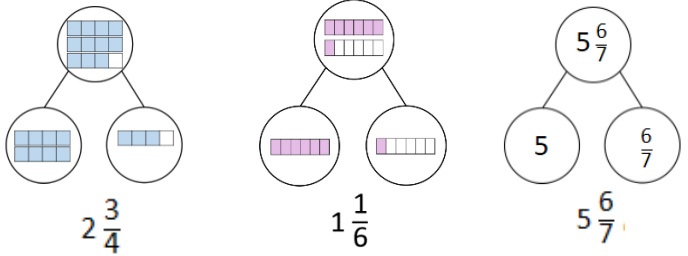




Subtracting

$\frac{8}{6} - \frac{5}{6} = \frac{3}{6}$

Partitioning a mixed number

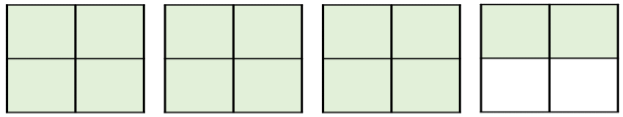


$2\frac{3}{4}$ $1\frac{1}{6}$ $5\frac{6}{7}$

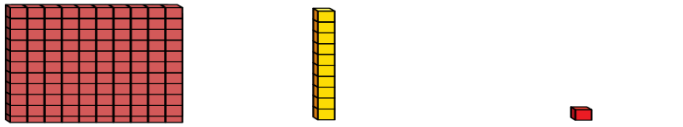
Converting between improper fractions and mixed numbers.

$14 \div 4 = 3$ remainder 2

$$\frac{14}{4} = 3\frac{2}{4}$$



Converting decimal equivalents to fractions.



1 one $\frac{10}{10}$

1 tenth $\frac{1}{10}$

1 hundredth $\frac{1}{100}$