



KEY VOCAB

Numerator is the top part of a fraction.

Denominator is the bottom part of a fraction.

Mixed numbers are whole numbers and a fraction combined into one.

Improper fractions are fractions whereby the numerator is greater than the denominator.

Conversions to remember...

Fraction	Percent	Decimal
1	100%	1.0
1/2	50%	0.5
1/3	33.3%	0.33
1/4	25%	0.25
1/5	20%	0.2
1/6	16.6%	0.166
1/8	12.5%	0.125
1/10	10%	0.1

PERCENT

Per 100

OR 'out of 100'

Is it possible to have 110%? When could this happen?



MATHS

Y7 Fractions, Decimals & Percentages

SPEAK
READ
ARTICULATE
THINK
QUESTION
WRITE
SPELL



KEY KNOWLEDGE

Improper Fraction

Mixed Number

$$\begin{array}{l} \text{Numerator} \rightarrow 9 \\ \text{Denominator} \rightarrow 4 \end{array} \rightarrow 2 \frac{1}{4}$$

Equivalent Fractions

$$\frac{1}{2} = \frac{2}{4} = \frac{4}{8} \quad \frac{1}{5} = \frac{2}{10} = \frac{3}{15}$$

$$\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$$

Equivalent fractions have the same value, even though they may look different.

Simplifying Fractions

Simplifying a fraction reduces a fraction to its lowest terms.

Hint: look for the highest common factor of the numerator and denominator to speed things up!

$$\frac{8}{12} \div 4 = \frac{2}{3}$$

$$\frac{2}{15} + \frac{3}{5} = ?$$

When **adding and subtracting fractions** you must make sure the denominators are the same. You can do this by finding common factors and forming **equivalent** fractions.



FURTHER READING

<https://www.bbc.co.uk/bitesize/guides/zgg4jxs/revision/1>
<https://corbettmaths.com/contents/>
<https://www.pearsonactivelearn.com/app/library>

