

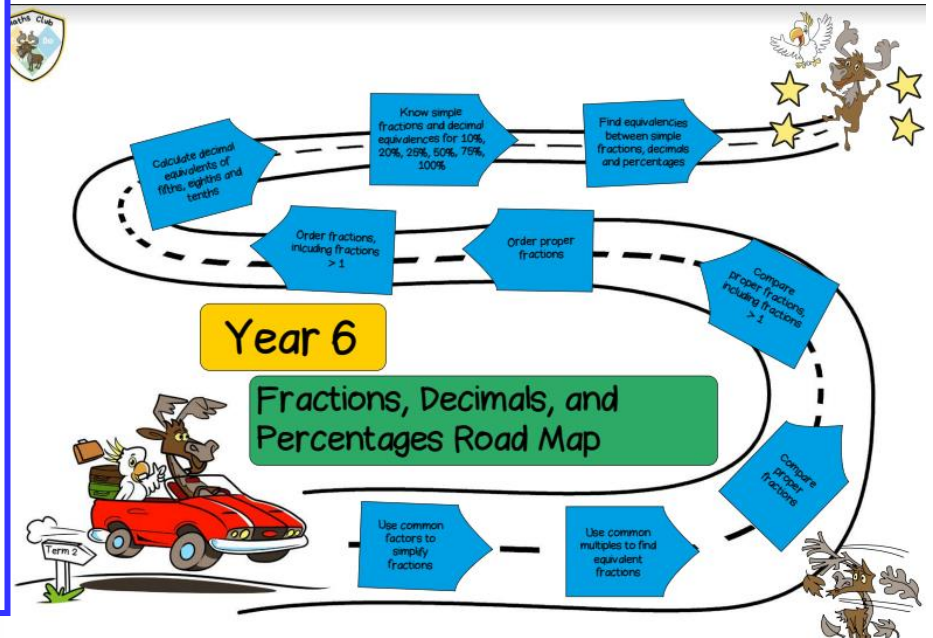
Year 6 Maths: Fractions, Decimals and Percentages.

S

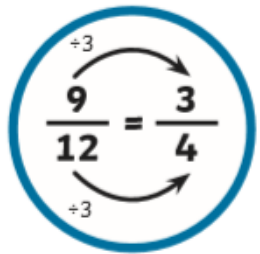
SEQUENCE:

KEY WORDS

Per cent (out of 100)	Numerator
Percentage	Denominator
Equivalent fraction	Factor
Equivalent decimal	Highest common factor
Convert	Lowest common multiple
Compare	Simplify
Order	Simplest form
The whole	Mixed number



Is the same as...



Is the same as...

Compare and Order Fractions

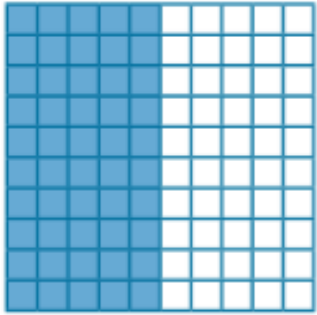
Use the Common Denominator

Multiples of 5: 5, 10, **15** Multiples of 3: 3, 6, 9, 12, **15**

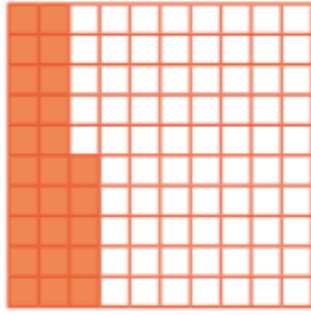
$\frac{3}{5} \square \frac{2}{3}$

$\frac{3}{5} = \frac{9}{15}$ $\frac{9}{15} < \frac{10}{15}$ $\frac{2}{3} = \frac{10}{15}$

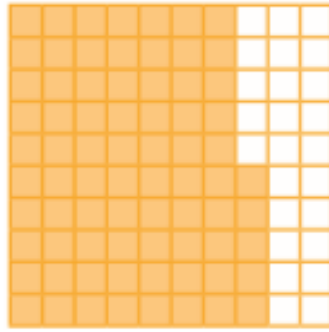




$$\frac{50}{100} = \frac{1}{2} = 0.5 = 50\%$$



$$\frac{25}{100} = \frac{1}{4} = 0.25 = 25\%$$



$$\frac{75}{100} = \frac{3}{4} = 0.75 = 75\%$$

Do It.

Calculate the decimal equivalents of:

$$\frac{1}{5} \quad \frac{2}{5} \quad \frac{1}{8}$$

$$\frac{3}{8} \quad \frac{1}{10} \quad \frac{3}{10}$$

Coco thinks that

$$\frac{8}{9} = 0.58$$

Explain why she is incorrect.

Find the missing digits.

$$\frac{\square}{1} = 0.\square = \frac{1}{\square\square}$$

$$\frac{4}{\square} = 0.\square = \frac{\square}{10}$$

$$\frac{\square}{\square} = \square.\square = \frac{\square}{\square\square}$$

Solve them in several ways. Can it be solved using the digits 0, 1, 2, 4, 5, and 8 at least once each?

What
it
is.

What
it
is
not.

Twist it.

percentage	fraction	decimal
30%	$\frac{3}{10}$	0.3

to go from a fraction to a percentage we can **convert to a decimal** first

$\frac{3}{5} \rightarrow 0.6 \rightarrow 60\%$

Deepen it.

What
problems
can I
solve
with this
knowledge?