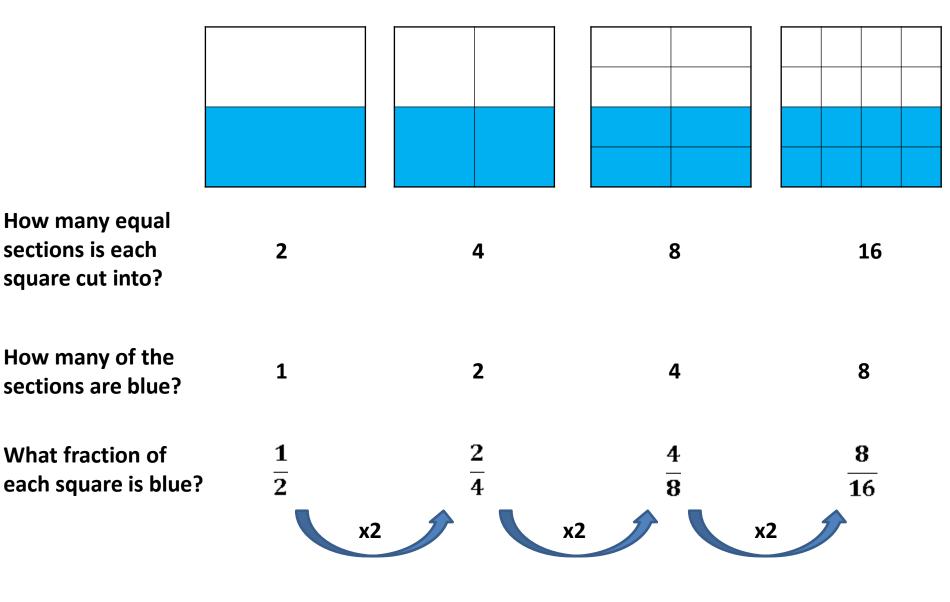


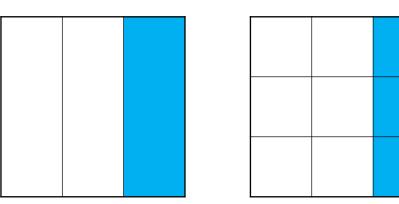
Take a look at the mental maths strategy shown above. Think about it carefully before writing down in words what the strategy is.

Equivalent and Simplified Fractions

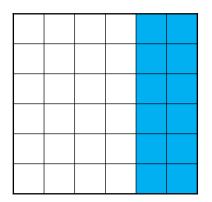


Are these fractions equal?

How do you get from one fraction to the next?



3

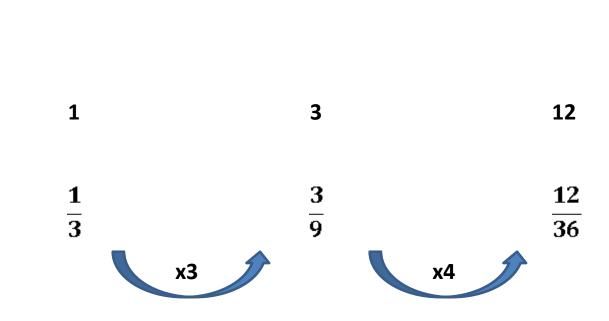


36

How many equal sections is each square cut into?

How many of the sections are blue?

What fraction of each square is blue?

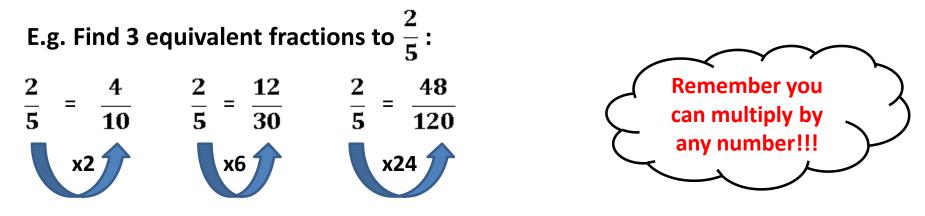


9

Are these fractions equal?

How do you get from one fraction to the next?

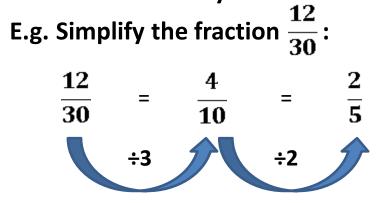
So to find <u>equivalent fractions</u> you multiply the <u>numerator</u> (the top number) and the <u>denominator</u> (the bottom number) by the same number.



Practice Questions: Find 3 equivalent fractions for each question

a) $\frac{1}{4}$	e) $\frac{3}{5}$	i) <u>8</u> 12
b) <u>6</u> 9	f) <u>7</u> 10	j) <u>1</u> 8
c) $\frac{3}{8}$	g) <u>4</u> 7	k) $\frac{4}{7}$
d)	h) 2/8	l) <u>9</u> 11

To simplify fractions, instead of multiplying the <u>numerator</u> and the <u>denominator</u> by the same number you divide it by the same number. When you can't divide it any further you have found the fraction in it's simplest form!



Practice Questions: Simplify the following fractions

a) $\frac{4}{8}$	е)	15 35	i)	44 121
b) $\frac{6}{9}$	f)	$\frac{21}{49}$	j)	$\frac{20}{28}$
c) $\frac{12}{16}$	g)	16 36	k)	$\frac{42}{72}$
d) $\frac{24}{36}$	h)	$\frac{63}{77}$	I)	72 144

