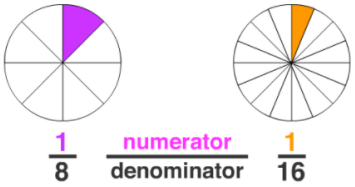
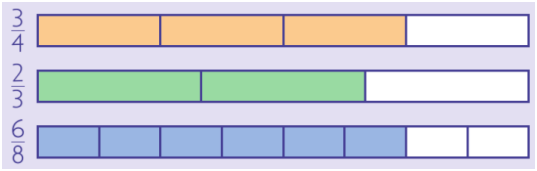
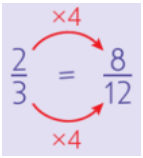
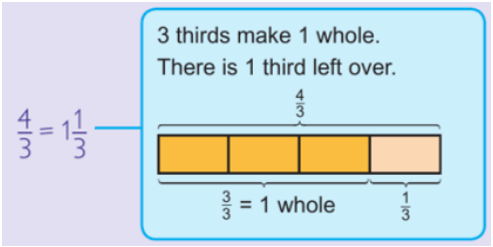
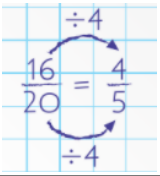
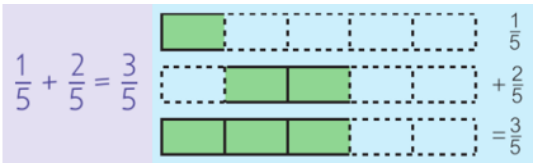
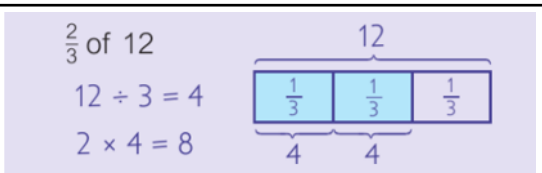
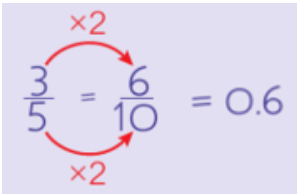
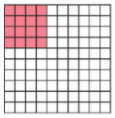
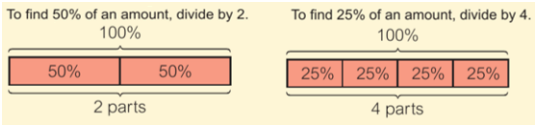
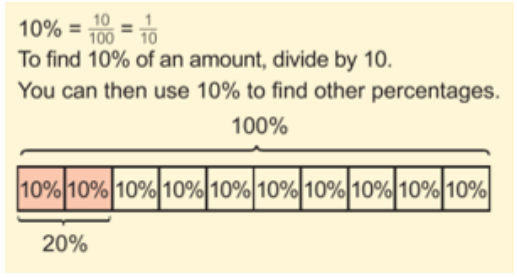
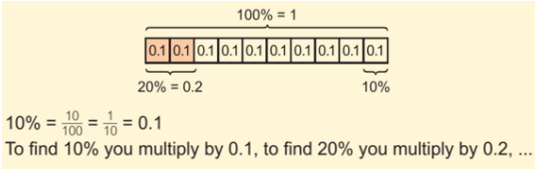
Core Knowledge			
1	Fraction	A fraction is any part of a group, number or whole. One circle has been cut in half. A half is a fraction.	A fraction is part of a whole.
2	Numerator	The top number is called the numerator. 1 It is the number of parts we have.	The top number is how many parts.
3	Denominator	The bottom number is called the denominator. 2 It is the total number of parts the whole is divided into.	The bottom number is the total parts the whole is divided into.
4	Unit fraction	 $\frac{1}{8}$ numerator / denominator $\frac{1}{16}$	The numerator is 1.
5	Bar models		You can use bar models to compare fractions.
6	Equivalent fractions		Equivalent fractions have the same value but are written in different forms. Find equivalent fractions by multiplying or dividing the numerator and the denominator by the same number.
7	Improper fraction	$\frac{11}{3}$	The numerator is bigger than the denominator.
8	Mixed number	$3\frac{2}{5}$	Has a whole number part and a fraction part.
9	Converting		To convert an improper fraction to a mixed number, divide the numerator by the denominator to find the whole number, then write the remainder as a fraction with the same denominator.
10	Simplify a fraction		Divide the numerator and the denominator by their highest common factor to write a fraction in its simplest form.
11	Adding and subtracting fractions		Add or subtract fractions with the same denominator by adding or subtracting the numerator. Write the result over the same denominator. You may need to simplify your answer.
12	Fraction of amounts		Divide the amount by the denominator, then multiply by the numerator. Include any units in your answer.
13	Fractions to decimals		Convert a fraction to a decimal by writing an equivalent fraction with a denominator of 10, 100 (or higher power of 10) and then use place value to write the decimal version.

14	Decimals to fractions	$0.32 = \frac{32}{100} = \frac{8}{25}$ (÷4, ÷4)	Use the smallest place value of the decimal to write as a fraction. You may need to simplify your answer.
15	One number as a fraction of another	$\frac{\text{number of black squares}}{\text{total number of squares}} = \frac{4}{9}$	Write the number over the total, simplify if necessary.
16	Percentage	 = 16%	Per cent means out of 100. % means per cent.
17	Percentage as a fraction	$70\% = \frac{70}{100} = \frac{7}{10}$ (÷10, ÷10)	Write any percentage as a fraction with a denominator of 100. Then simplify if necessary.
18	Percentage as decimal	$35\% = \frac{35}{100} = 0.35$	Write a percentage as a fraction, then convert to a decimal. Or you can divide the percentage by 100.
19	Decimal as a percentage	$0.45 = \frac{45}{100} = 45\%$	Write a decimal as a fraction with a denominator of 100, then convert to a percentage.
20	Percentage of amounts		Work out percentages using fractions: 50% = ½ 25% = ¼ 75% = ¾
			Use 10% to build other percentages. 10% = 1/10 so divide by 10. 20% = 10% x 2 etc. 5% = 10% ÷ 2 15% = 10% + 5% To find 1%, divide by 100.
23	Percentage multiplier		The multiplier is the decimal equivalent of the percentage. 10% = 0.1 To find 10% you can multiply by 0.1 32% = 0.32 To find 32% you can multiply by 0.32