

Time	How many hours is 720 minutes?	How many minutes is four and a half hours?	How many minutes between 2:45am and 1:35pm?	Change 19:35 into the 12 hour clock.	How many days between 3 rd March and 12 th September?
Expressions	c cars have five people in each one. Write an expression for the total number of people.	h trucks each carry a load of 35 tons. Write an expression for their total load.	p people each have 9 pencils. Write an expression for the total number of pencils.	w ducks have 6 ducklings. Write an expression for the total number of ducklings.	k people earn £155 per day. Write an expression for the total amount earned.
Fractions and decimals	Convert 1.25 into a percentage and a fraction in its simplest form.	Convert 82% into a decimal and a fraction in its simplest form.	Convert 6% into a decimal and a fraction in its simplest form.	Convert $\frac{7}{20}$ into a decimal and a percentage.	Convert $\frac{3}{12}$ into a decimal and a percentage.
Estimation	Estimate: $\frac{15.78 \times 4.92}{4.92 \times 3.2}$	Estimate: $\sqrt{39}$	Estimate: $\frac{7.92 \times 6.63}{1.94 \times 7.2}$	Estimate: $\frac{53.04 \times 91}{34 \div 5.342}$	Estimate: $\sqrt{125}$
Unit conversion	How many km is 242,000 cm?	How many grams is 1.758?	How many mm is 2.59m?	How many mm is 16 cm	How many km is 183 m?

Fractions	$\frac{5}{8}$ of 128	$\frac{3}{5} \times \frac{15}{24}$	$6\frac{3}{4} \div \frac{9}{10}$	$\left(\frac{4}{5}\right)^2$	$\left(\frac{5}{8}\right)^{-2}$
Indices	$x^6 \times x^4$	$x^{11} \times x^{-15}$	$x^8 \div x^{-8}$	$x^5 \div x^7$	$x^3 \div x^9$
Algebraic Expansions	$e \times 4e \times 6e =$	$5t \times 6t^{-1} =$	$5 \times 8t \times 7y =$	$5k(11 - 4k) =$	$\frac{7(9x + 3)}{6} =$
Long multiplication	137×67	29.4×8	16.41×73	38.5×3.2	4.2×7.51
Equations	Area of a sector?	Area of a triangle?	Area of a parallelogram?	Distance speed time calculations. Find distance?	Area of a trapezium?



Division	$5292 \div 6$	$8.2764 \div 9$	$2348 \div 7$	$\underline{\quad} \div 3 = 38.1$	$\underline{\quad} \div 61 = 32.7$
Name the line	Line that runs splits a circle into two segments.	Line that runs from circumference to circumference going through the centre.	Line splitting the denominator and the numerator in a fraction.	Line running perpendicular to the y- axis through the origin.	Line A touches a circle at one point only. Line B meets line A at the circumference and both lines are perpendicular. Line B is called the...
Ratio Value of one part	96 is shared in the ratio 3:5:4	55 is shared in the ratio 2:3	130 is shared in the ratio 9:8:7:2	Put 8.5:4.25 in the form 1:n	Put 12: 4 in the form n:1
Addition and Subtraction	Find the total of 452, 596 and 75.	Find the sum of 54, 55 and 56.	Find the difference between 265 and 317	Find the range in the following data: -3, 5, 7, 2, 6, 4	Find the difference between 9^2 and the $\sqrt{900}$
Substitution	$x = -7, y = 4$ What is $3x + 4y$?	$x = 8, y = 3$ What is $6x - y$?	$x = 16, y = -2$ What is $7x + 8y$?	$x=6, y=4, z=3$ What is $x^2 + 2y^z$?	$x=9, y= 6$ What is $\frac{3x}{y} + 4y$?