BennettMaths
Engaging Learners

Questions

Maths Paper 2 - Foundation

Make x the subject of the formula

(i) $y = mx + c$

(ii) $y = 4x^2 + 1$

Solve

$$4x + 8 = 2x + 13$$

Solve

$$\frac{4x + 8}{2} = 6x - 6$$

Convert 5cm² into mm²

Convert 6m² into cm²

Convert 100,000cm² into m²

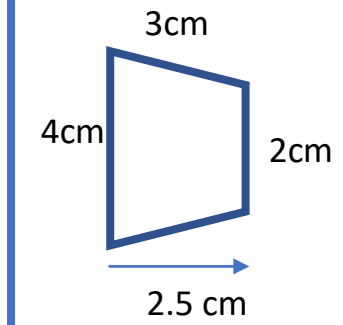
A car travels 81 miles in 2 hours and 15 minutes.

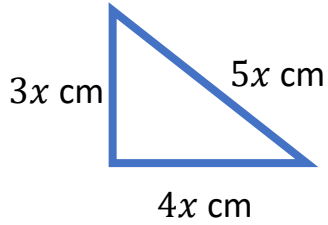
Work out the average speed for the journey.

Express 30:15 in the form n:1

Express 20:12 in the form n:1

Find the area of the shapes below





Expand $y(3y + 6)$

Expand $2(4x - 3) + 3(x - 3)$

Factorise $12x + 15$

Factorise $12y^2 + 17y$

Express 35 as a percentage of 70

Express 21 as a percentage of 80

Examples/ Key words

Maths Paper 2 - Foundation

Frequency Polygons

Plot the midpoint (single value if there is no range of data) and frequency.
Join the points together from left to right (do not join the last and first point together).

Bearings:

- Always measure the north direction
- Always go clockwise
- Must have 3 digits

Estimate = make the question easier by rounding

Evaluate = work out the answer

Express = Write in the different way

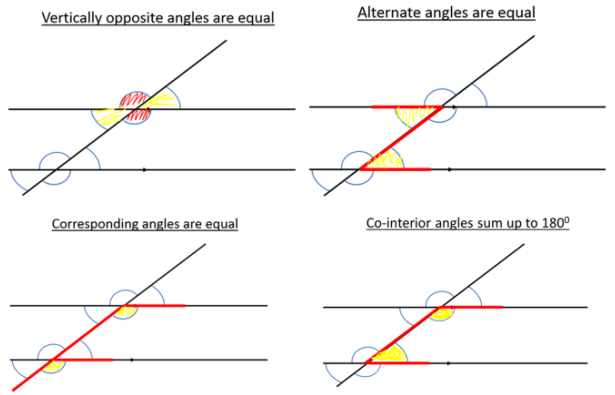
Simplify = Change the appearance

Lowest Common Multiple (LCM)

List the times tables for each number and find the smallest number that appears in both lists.

Median = order numbers then find the middle value

Range = largest value minus smallest value



Area of a rectangle = $\frac{base \times height}{2}$

Angles in a triangle = 180°

Vertically opposite angles are equal.

Pythagoras' theorem = $a^2 + b^2 = c^2$

C is always opposite the right angle

Percentage to Fraction.

Use the percentage as the numerator and use 100 as the denominator