

Expand $4(3x + 2)$

Expand and Simplify

$$3(2x + 2) - 2(x - 1)$$

Simplify

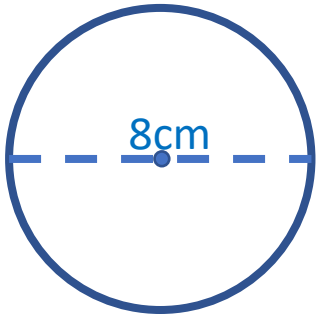
(a) $2x \times 3$

(b) $3a - a + 2a$

If you require 100g of butter for a recipe for 6 people.

How much would you need for a recipe for 9 people?

Find the area of



Convert 3.1×10^4 into an ordinary number

Convert 3089 into standard form

A number, n , is rounded to 1d.p.
The result is 43.2.

Complete the error interval

$$\underline{\quad} \leq n < \underline{\quad}$$

Factorise $12x + 20$

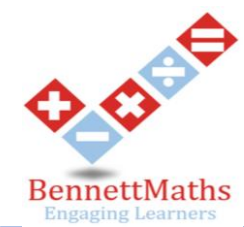
Factorise fully $15x^2y - 20x^3y^2$

Simplify $x^3 \times x^5$

Simplify $x^7 \div x^5$

Make x the subject of the formula

$$3x + y = Z$$



Examples/ Key words

Maths Paper 3 - Foundation

Convert 3200 into standard form
 $3200 = 3.2 \times 10^3$

Work out $4.2 \times 10^4 + 8 \times 10^3$.
 Give your answer in standard form

$42,000 + 8000 = 50,000$
 $50,000 = 5 \times 10^4$

Ordering FDP.
 Convert all values to decimals

Percentage to decimal = $\div 100$

Fraction to decimal = top \div bottom

Estimate = make the question easier by rounding

Evaluate = work out the answer

Express = Write in the different way

Simplify = Change the appearance

Volume of a cube = base \times height \times depth

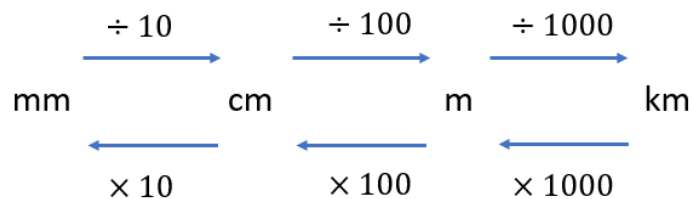
Volume of a cylinder = $\pi \times r^2 \times \text{depth}$
 Remember to keep your answer in terms of π , unless asked to estimate.
 $\pi \approx 3$

The volume of a shape is 20cm^3 .
 The mass of the shape is 120g.
 Find the density.
 Density = $\text{g}:\text{cm}^3$

120:20
 6:1
 Density = $6\text{g}/\text{cm}^3$

Angles in regular polygons:
 Sum of the interior angles = $(n - 2) \times 180$
 To find an interior angle = $\frac{\text{total}}{n}$ n= number of angles/sides.

Sum of the exterior angles = 360°
 To find an exterior angle = $\frac{360}{n}$ n= number of angles/sides



Area of a circle = $\pi \times r^2$

Circumference = $\pi \times d$

Mean = add together the values and divide by how many there are

Median = list in order and find the middle value

Mode = The number that appears the most