

Work out:

(a) 84% of 181

(b) 9% of 205

Simplify

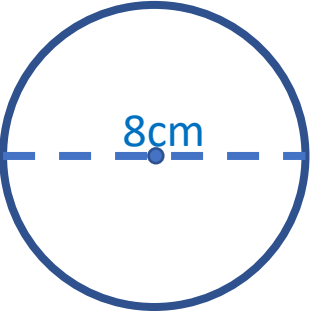
(a)  $2x \times 3$

(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  $3.1 \times 10^4$  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

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

Work out:

$$\sqrt{\frac{9.3 \times \tan(30)}{0.273}}$$

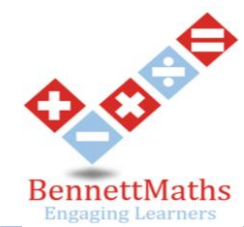
Express 60 as a product of prime factors

Find the HCF of 60 and 90

If  $x = -5$  and  $Z = 1.5$

Find the value of  $y$  when

$$3x + y = Z$$



## Examples/ Key words

## Maths Paper 2 - 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

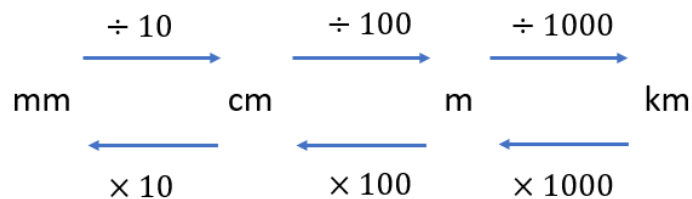
Volume of a cylinder =  $\pi \times r^2 \times \text{depth}$   
 Remember to keep your answer in terms of  $\pi$ , unless asked to estimate.  
 $\pi \approx 3$

The volume of a shape is  $20\text{cm}^3$ .  
 The mass of the shape is  $120\text{g}$ .  
 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 =  $360^\circ$   
 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