

Write 8231 in words

eight thousand, two hundred
and thirty one

If 4 plants cost £12

What is the cost of 7 plants?

$$£12 \div 4 = £3$$

$$£3 \times 7 = £21$$

8.9 - 1.12

$$\begin{array}{r} 8.90 \\ - 1.12 \\ \hline 7.78 \end{array}$$

0.7 x 5

$$3.5$$

Calculate -7×2

$$-14$$

Calculate -3×-4

$$12$$

A cube has side length 10cm.

What is the volume?

$$10 \times 10 \times 10 = 1000 \text{ cm}^3$$

What is the surface area? ~

$$10 \times 10 = 100 \text{ cm}^2$$

$$100 \text{ cm}^2 \times 6 = 600 \text{ cm}^2$$

Work out the value of:

$$5a^2$$

if $a = 10$

$$5 \times 10^2$$

$$5 \times 100 = 500$$

In a prize draw, 300 tickets are sold.
There is one prize.

Mr and Mrs Jones buy 6 tickets each
Their two children, Alan and Anne buy 3
tickets each.

$$3 + 3 = 6$$

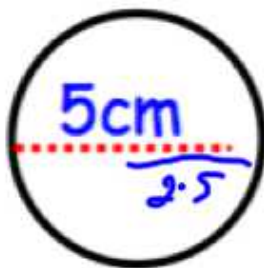
What is the probability one of the children
wins the prize?

$$\frac{6}{300} = \frac{1}{50}$$

Factorise fully

$$6a + 8ac$$

$$2a(3 + 4c)$$



$$r = 2.5$$

Calculate the area of this circle

$$A = \pi r^2$$

$$= \pi \times 2.5^2$$

$$= 19.63 \text{ cm}^2$$

Simplify

$$y^5 \times y^3$$

$$y^8$$

Simplify

$$\frac{y^5}{y^3}$$

$$y^2$$

March 23rd

5-a-day

Higher

Multiply out and simplify

$(3x + 5)(4x - 3)$

$12x^2 - 9x + 20x - 15$

$12x^2 + 11x - 15$

Which is smaller?

$(x + 3)^2$ or $x^2 + 6x + 7$
 $x^2 + 6x + 9$

↑
smaller

Solve

$5x^2 - 31x + 6 = 0$

$(5x - 1)(x - 6) = 0$

$5x - 1 = 0$

$x - 6 = 0$

$x = 0.2$ or $x = 6$

Work out

$27^{2/3}$

$\sqrt[3]{27} = 3$

$3^2 = 9$

Work out

$100^{-1/2}$

$100^{1/2} = 10$

$100^{-1/2} = \frac{1}{10}$

Rationalise the denominator

$\frac{17 - 3\sqrt{3}}{\sqrt{2}}$

$\times \frac{\sqrt{2}}{\sqrt{2}}$

$\frac{17\sqrt{2} - 3\sqrt{6}}{2}$

or $\frac{17}{2}\sqrt{2} - \frac{3}{2}\sqrt{6}$