

November National 5 Maths Calendar

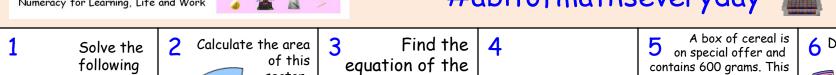
#abitofmathseveryday

Calculate the

data set...

standard deviation

for the following



Multiply out the

following brackets

and simplify...

Solve the following equation...

$$\frac{x}{4} + \frac{x}{2} = 9$$

Calculate the area of this sector...

2 Calculate the area of this sector...

7 Write the following

 $4x^2 \times 6x^8$ form...

 $3x^5$

in it's simplest

a rational

25 Calculate the

data set...

semi-interquartile

range for the following

8, 14, 12, 7, 16, 15

index

Simplify...
$$\sqrt{18} + \sqrt{2} - \sqrt{8}$$

box contain?

system of

equations...

does the standard

11 Solve the following

3x + 2y = 14

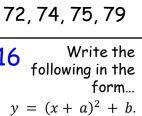
 $6 \cdot 5 m$

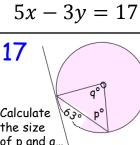
Factorise...

 $2 \cdot 5 m$

 $(2x-7)(x^2+4x-5)$ Calculate the missing volume...

10





 $3c^2 + 2c - 5$ 18 Add the following fractions... $\overline{(x+3)}$ + $\overline{(x+7)}$

13 14 Calculate... Change the subject of the formula to r... $3\frac{1}{3} \div 1\frac{1}{5}$ $e = 9r^2 + 1$ Express the 19 20 23 cm

Volume = 80 mm3 Volume = ? How much money will there be in a bank account when £6000 is invested for 3 years at

4.7% per annum?

Express this

fraction in

it's simplest form...

 $x^2 - 36$

 $x^2 + 3x - 18$

- $y = x^2 + 4x 2$ The diagram shows the parabola with equation; $y = kx^2$
- Calculate the size of p and q... Evaluate...
- 24 Determine the gradient and the y-intercept of the

following with 38°/ Calculate 30 cm denominator the area and simplify of the if required.. triangle... 26 Calculate the length of the missing side...

x cm

109 cm

48 cm

A function is

 $f(x) = x^2 + 9x$

Find f(-2).

defined as

- 28
 - (2, 12) What is the value of k? The volume of this sphere is 2143.57 cm³. Calculate it's radius...
- 29 Vector $\mathbf{a} = \begin{pmatrix} 2 \\ 0 \end{pmatrix}$ and vector **b** = $\begin{pmatrix} 7 \\ -4 \end{pmatrix}$ Calculate |a+b|.
 - following equation... 5x + 3y = 930 Solve the equation $7 \sin x^{\circ} - 1 = 3$ for 0 < x < 360.