

7 Write the following

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

 $3\frac{1}{3} \div 1\frac{1}{5}$

25 Calculate the

data set...

Express the

following with

a rational

denominator

and simplify

if required..

semi-interquartile

range for the following

8, 14, 12, 7, 16, 15

 $3x^5$

13

19

in it's simplest

Calculate...

index

November National 5 Maths Calendar

17

Calculate

of p and q...

the size

does the standard

11 Solve the following

3x + 2y = 14

5x - 3y = 17

Evaluate...

29 Vector $\mathbf{a} = \begin{pmatrix} 2 \\ 0 \end{pmatrix}$

and vector **b** = $\begin{pmatrix} 7 \\ -4 \end{pmatrix}$

Calculate |a+b|.

box contain?

system of

equations...

 $2 \cdot 5 m$

18

24

30

 $6 \cdot 5 m$

Factorise...

 $3c^2 + 2c - 5$

Add the

following fractions...

 $\overline{(x+3)}$ + $\overline{(x+7)}$

Determine the

Solve the

equation

gradient and the

y-intercept of the

following equation...

5x + 3y = 9

 $7 \sin x^{\circ} - 1 = 3$

for 0 < x < 360.

#abitofmathseveryday

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

72, 74, 75, 79

Calculate the

data set...

Write the

form...

equation;

What is the

value of k?

 $y = kx^2$

following in the

The diagram shows

the parabola with

The volume of

this sphere is

2143.57 cm³.

Calculate it's

radius...

 $y = (x+a)^2 + b.$

 $y = x^2 + 4x - 2$

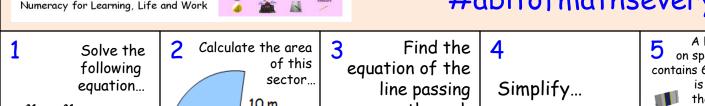
(2, 12)

28

standard deviation

for the following

10



A function is

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

Change the

subject of the

 $e = 9r^2 + 1$

26 Calculate the length of the missing side...

109 cm

formula to r...

23 cm

38°/

30 cm

48 cm

Find f(-2).

14

20

Calculate

the area

triangle...

x cm

of the

defined as

6 Determine whether A box of cereal is on special offer and this triangle is contains 600 grams. This right-angled... is 20% more than the standard box. How many grams

Multiply out the

Calculate the

missing 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...

 $x^2 - 36$

 $x^2 + 3x - 18$

following brackets

 $(2x-7)(x^2+4x-5)$

Volume = 80 mm3 Volume = ?

and simplify...