

Number and Number Process

the

line

Simplify...

 $x^2 - 8x + 3 = 0$

to 1 decimal place...

28 Determine the

gradient and the

y-intercept of the

following equation...

3x - 2y = 4

22

Solve

B(80, 900)

Solve the

 $5 \cos x^{\circ} + 2 = 1$

for 0 < x < 360.

equation

#abitofmathseveryday Express the 6 depreciates in following with a rational

Solve the

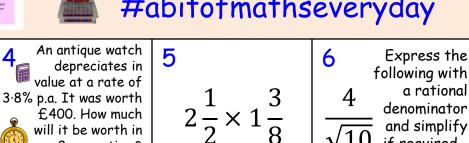
following

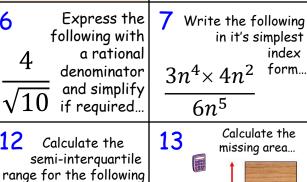
inequality...

The diagram shows

9 - 2x < 17

December National 🚑 Maths Calendar





Multiply out the

following brackets

(2x+5)(x-3)-7x

and simplify...

equations... form...
$$y = (x + a)^2 + b$$
. $y = x^2 + 6x + 4$ $y = 2$ $y = x^2 + 6x + 4$ $y = x^2$

Calculate

of v and w...

fraction in

 $x^2 - 5x$

 $x^2 - 7x + 10$

26 A pair of trainers

reduced by 20%. The

trainers cost £23.20.

cost before the sale?

How much did they

are in the sales.

The trainers are

the size

20

(-5, 100) $\sqrt{75} + \sqrt{3} - \sqrt{12}$ giving your solutions

11

equation; $y = kx^2$ What is the value of k? A function is defined as f(t) = 4t - 1

For what value of

 $t \operatorname{does} f(t) = 11$?

31 cm

29

Find

the

value

of x...

the parabola with subject of the formula to b... $\sqrt{b}-2$ 24 Calculate the length of the missing side... 64 m 65° 80 m

Calculate the

2, 5, 8, 10, 11, 11, 11, 14

Change the

The area of

this sector is

68.03 cm3.

Calculate

the angle...

12

data set...

x m

5 mm

30

Factorise... $3x^2 - 48$ Round 25 122 017 to 2 significant figures.

10 m

Area = 180 m²

Area = ?

19

31

Show that

sinxtanx =

A(30, 400) best fit. Express this Calculate the standard deviation it's simplest form... for the following data set... 63, 65, 66, 67, 69

27