June 4th	5-a-day	Numeracy

484 - 394

$$\begin{array}{r} {}^{3}\not{4}{}^{1}84 \\ -\ 394 \\ \hline 090 \end{array}$$

90

millimetres kilometres

metres

centimetres inches

Which metric unit would be most suitable to measure the height of a building?

It is "quarter to six" in the evening.

Write this time as 12-hour time

5:45pm

Write this time as 24-hour time

17:45

Simplify

a + a + a + a

4a

Simplify

5a + 3b - a - 5b

4a - 2b

Leeds			
73	Lincoln		
171	128	Oxford	
199	142	57	London

Anthony travels five days a week from Oxford to Leeds and back

10 journeys

How many miles is this?

1710

June 4	5-a-day	Foundation

Tim, Gary and Claire share £400.

Tim receives $\frac{1}{4}$ of the money £100

Gary receives $\frac{5}{8}$ of the money £250

350

How much does Claire receive?

£50

The amount of time Ann is awake to time she sleeping on a day is 5:3.

Work out the number of hours Ann is awake on that day.

5+3=8

24÷8=3

3×5=15hours

Use your calculator to work out the value of

$\sqrt{7.11 - 2.29^2}$

Write down your full calculator display.

1.365979502

Round your answer to one decimal place

1.4

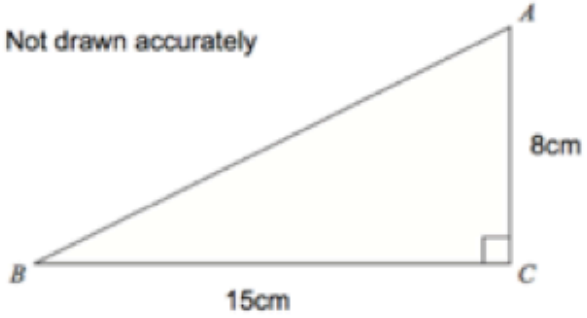
Here is a rectangle

What is the size of x

2x+14=6x-4

14=4x-4

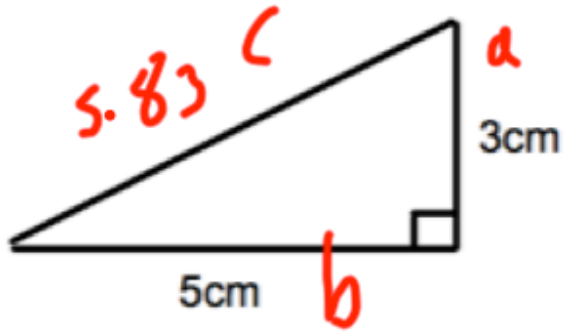
4x=18 x=4.5



Calculate the ~~perimeter~~ area of the triangle

$\frac{1}{2}(15) \times 8 = 60cm^2$

June 4	5-a-day	Higher



Calculate the perimeter.

$a^2+b^2=c^2$

$c = 5.83\text{cm}$

$3+5+5.83 = 13.83$

Make m the subject

$$E = \frac{1}{2}mv^2$$

$2E = mv^2$

$m = \frac{2E}{v^2}$

Martin has tried to factorise $20m + 16$.

His answer is $2(10m + 8)$

His teacher gave him one mark out of two.

Explain to Martin what he should do to get two marks?

factorise fully.

$4(5m+4)$

The area of the rectangle shown is $300cm^2$

Find x

$x(x+5)=300$

$x^2+5x-300=0$

$(x+20)(x-15)=0$

$x=-20$ $x=15$

$x = 15$