


Easter Brain Boost

Foundation Maths

10 X 10



2nd April	
Work out the area of a triangle with base 8cm and height 6cm	 Corbettmaths
Simplify $3x + 4x - x$	Simplify $5w \times 3w$
Solve $4x - 3 = 29$	If $x = 5$ Work out $3x + 9$
A piece of carpet is 240cm long. Mr Jones cuts it into three pieces in the ratio 1 : 2 : 5 Work out the length of the longest piece of carpet.	
Write 80 as a product of primes. Give your answer in index form	

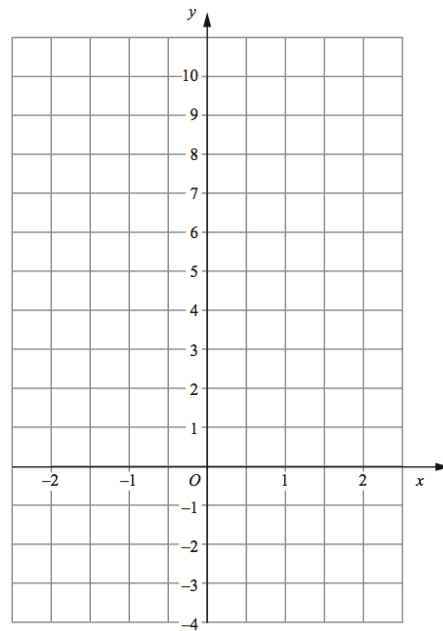
3rd April



Corbettmaths

Complete the table of values for $y = 5x - 2$

x	-1	0	1	2
y				



Draw the graph of $y = 5x - 2$

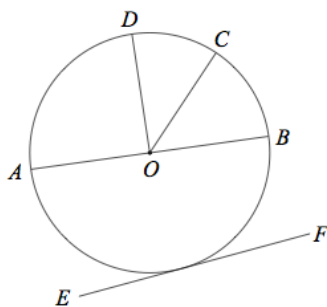
$$\text{Time} = 40 \times \text{weight in kg} + 20$$

A chicken weighs 2.5kg.

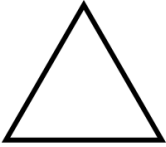
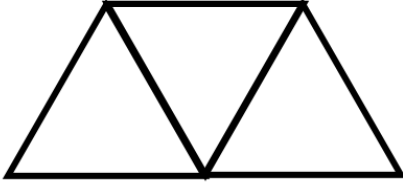

How long does it take to cook?

A different chicken takes 260 minutes to cook.

Work out its weight.



What is the name of the line AB?

4th April	
<p>Work out</p> $0.438 \div 3$	<p>Work out</p> 0.019×0.24
<p>There are 20 counters in a bag.</p> <p>8 of the counters are blue.</p> <p>4 of the counters are red.</p> <p>The rest are green.</p>	<p>What is the probability of selecting a green counter?</p>
 <p>Shown is an equilateral triangle with side length 5cm.</p>	<p>Find the perimeter of the triangle.</p>
<p>Three identical triangles, each with side length 5cm are put together to make one larger shape.</p> 	<p>Jemima says that the perimeter of the larger shape will be three times the perimeter of one of the triangles.</p> <p>Explain why Jemima is wrong.</p>
 <p>The express bus from Dublin to Belfast takes x minutes.</p> <p>The standard bus takes 29 minutes longer.</p>	<p>Write down an expression for the time the standard bus takes.</p>

5th April



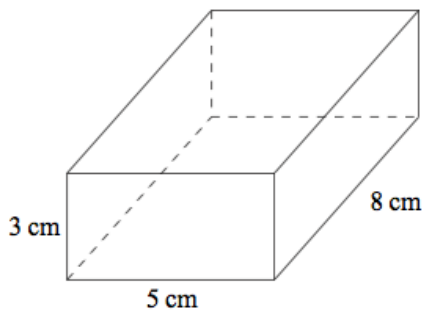
Corbettmaths

5 2 4 8 2 1 5 3 2

a) Find the mode

b) Find the median

c) Work out the range



a) how faces does this cuboid have?

b) Work out the volume

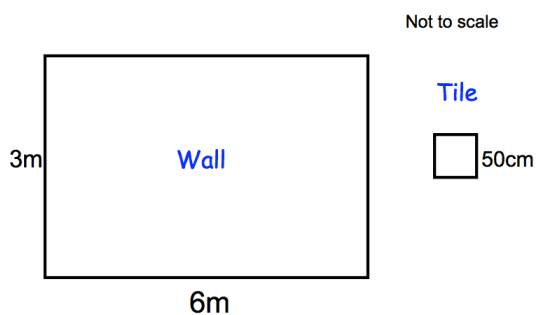
Mark and Mary share £16 in the ratio 1:3

How much does Mary receive?

James is drawing a pie chart

Meal	Frequency
Chicken	14
Beef	9
Pork	57
Vegetarian	10

Calculate the size of each angle.



How many tiles are needed to cover the wall?

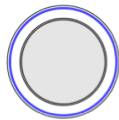
6th April

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Round 7.289 to the nearest whole number.

Round 8.271 to 1 decimal place.

Small pack
Contents
3 plates



Large pack
Contents
12 plates

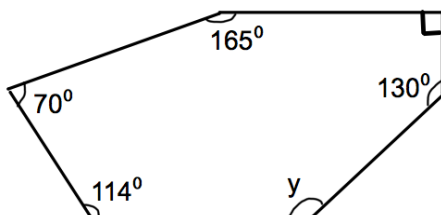
£5.25

£21.24

Which is the better value for money?

Expand $2(3w - 7)$ Expand $y(4y + 5)$

Write 80 as a product of primes

Find y

7th April



Corbettmaths



Shown is a parallelogram.

What order of rotational symmetry does it have?

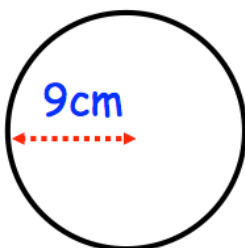


What type of correlation is shown?

Work out, as a simplified fraction.

$$\frac{3}{4} - \frac{2}{5}$$

I'm thinking of a number

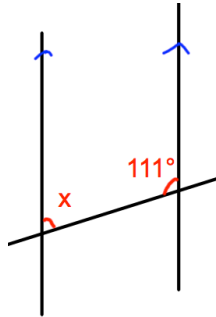
A $\frac{1}{3}$ of a number is 6.Work out $\frac{1}{2}$ of the number.Work out the circumference of the circle.
Give your answer to 1 decimal place.

8th April

Corbettmaths

Write 0.13 as a fraction

Write 87% as a decimal

Work out the size of the angle marked x .

Give a reason for your answer.

The express bus from Dublin to Belfast takes x minutes.

The airplane takes half the time the express bus takes.



Write down an expression for the time the airplane takes.

The price of a cinema ticket is reduced from £8 to £7.50

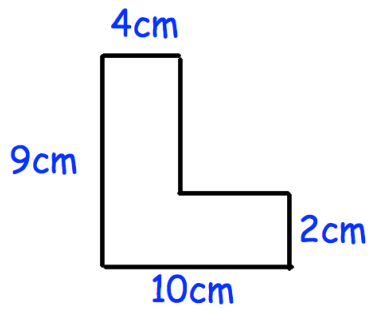
Calculate the reduction as a percentage of the original price.

Write 44 as a product of primes

9th April



Corbettmaths



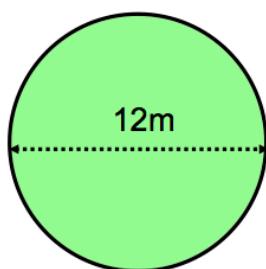
Calculate the perimeter

Factorise $x^2 + 3x$

Greg's wage is £520 a week.
He receives a 5% wage rise.

Work out Greg's new weekly wage.

What fraction of 60 is 12?



Find the area of the circle

10th April

Corbettmaths

Work out, as a simplified fraction.

$$\frac{5}{6} - \frac{1}{2}$$

Recipe for 12 Chocolate Flapjacks:

100g margarine
4 spoons of golden syrup
80g sugar
200g rolled oats
12 squares of chocolate

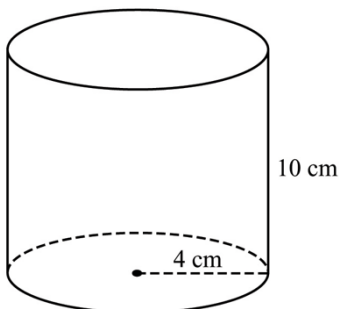
How much is needed for 18 flapjacks?

A pigeon flies for 7 hours at a speed of 70 km/h.

Calculate how far the pigeon flies.

Jayne makes ham sandwiches and cheese sandwiches in the ratio 5:2. She makes 420 sandwiches altogether.

How many ham sandwiches did she make?



Calculate the volume of the cylinder.