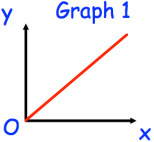
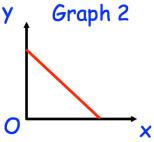
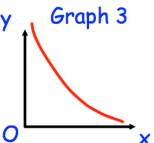
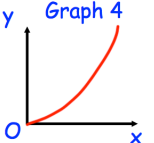
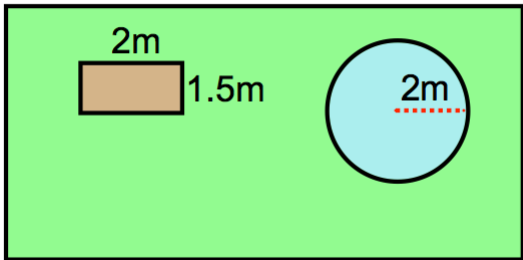
 Corbettmaths	
<p>11th August</p>	
<p>Make x the subject of</p> $\sqrt[3]{\frac{x}{k}} = w$	
<div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <p>Graph 1</p>  </div> <div style="width: 50%;"> <p>Graph 2</p>  </div> <div style="width: 50%;"> <p>Graph 3</p>  </div> <div style="width: 50%;"> <p>Graph 4</p>  </div> </div>	<p>One of the graphs shows that y is inversely proportional to x.</p> <p>Which graph?</p>
<div style="text-align: center;"> <p>10m</p>  <p>6m</p> </div> <p>Belle wants to re-seed the grass in her garden. The garden is 10 metres long and 6 metres wide. There is a vegetable patch that is 2 metres long and 1.5 metres long.</p>	<p>There is a circular pond that has radius 2 metres. The remainder of the garden is grass. Each bag of grass seed costs £4.60 and covers 10m². Work out the total cost to re-seed the garden.</p>
<p>The sum of Rosemary's age and Hannah's age is 102 years. The difference between their ages is 52 years. Hannah is younger than Rosemary. Find the age of each woman.</p>	

12th August

Corbettmaths

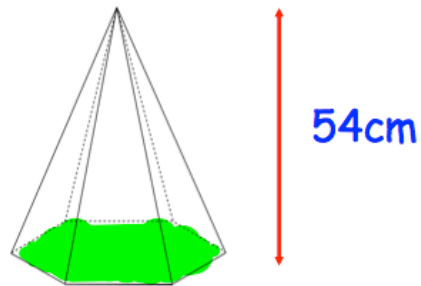
An internet company collected data about the number of internet devices in each of 50 households. The table shows the results.

Number of devices	Number of households
0	1
1	1
2	2
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5	13
6	10
7	7
8	3

Work out the total number of internet devices in these 50 households

Calculate the mean number of internet devices per household.

A hexagon-based pyramid has a height of 54cm. The volume of the pyramid is 1080cm^3 . Calculate the area of the base of the pyramid.



7.8 has been truncated to one decimal place.

Write down an inequality to show the range of possible actual values.

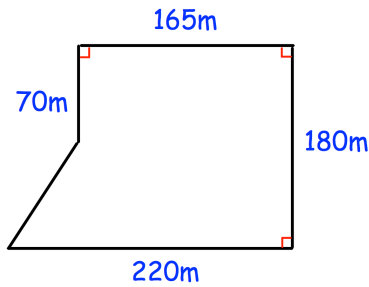
A line has gradient 3 and passes through the point (1, 8)

Find the equation of the line.

13th August

Corbettmaths

Write 708% as a simplified fraction



Farmer Richards owns this field.
The crop he plants earns him £7 for each square metre
How much money does he earn in total?

Solve




$$x^2 + 5x - 14 = 0$$

$$(a + c)^2 = t$$

make c the subject

Charlene and Danielle share some money in ratio 2 : 5
Danielle gets £216 more than Charlie.

How much does each girl receive?

14th August		 Corbettmaths
2.5  $3y - 2$ 19	Find x	
Find y	Perimeter	
Solve $x^2 + 6x + 9 = 0$		
Expand and simplify $(5y - 1)(y - 2)$		
The speed limit on a road is 40mph. A scooter drives 9 miles in 13 minutes. Is the scooter breaking the speed limit? 		

15th August

Corbettmaths

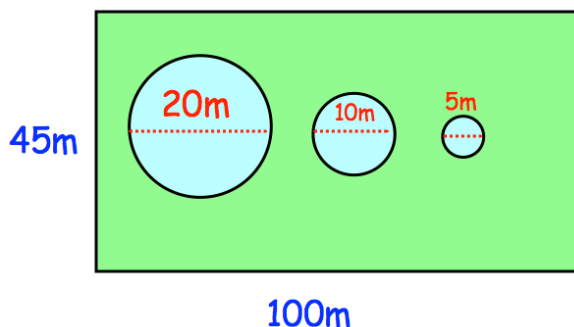
The price (P , in £) of hiring a car is $P = 20d + 70$, where d is the number of days.

Rearrange the formula to make d the subject

Use your formula to find how many days a car was hired for if the final price is £370

Expand

$$(9 - 2x)(8 - x)$$



A rectangular lawn is 100m long and 45m wide.
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Each packet of grass seed covers 5m^2 and costs £3.49

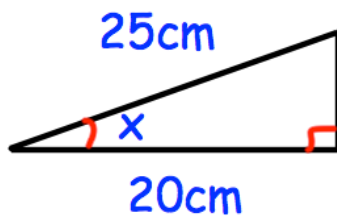
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16th August

Corbettmaths

A farmer says he has 2,500 sheep, to the nearest 100.

What is the greatest possible number of sheep he has?




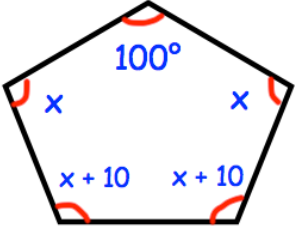
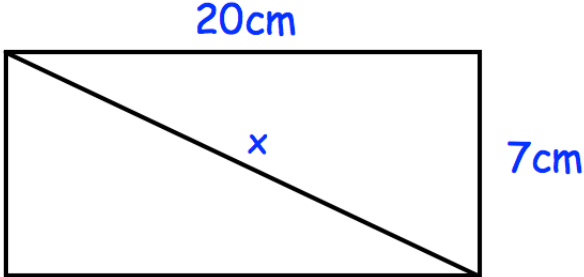
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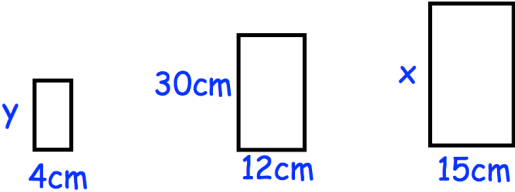
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If it was bought for £5000, how much will it be worth after 2 years?

A fair coin is flipped three times.
Write down the probability of getting three tails.

17th August		 Corbettmaths
$\begin{array}{cccc} \underline{99} & \underline{97} & \underline{95} & \underline{93} \\ 100, 95 & , 90 & , 85 & , \dots \dots \end{array}$ <p>Find the nth term</p>		
	Find x	
	Find the length of the diagonal of the rectangle.	
<p>The mass of Earth is 5.97×10^{24}</p> <p>The mass of Jupiter is 1.898×10^{27}</p>	Work out how many times heavier Jupiter is than Earth. Give your answer to one decimal place.	
<p>A line has equation $y = -4x$</p> <p>Write down the gradient of the line</p>	Write down the y-intercept of the line	

18th August 	
Solve the inequality $2x - 1 < 9$	Corbettmaths
<p style="text-align: center; color: blue;">Not drawn accurately</p> 	<p>The diagram shows three similar rectangles.</p> <p>Work out the value of x.</p>
Work out the value of y.	
<p>Bank of Maths</p> <p>Double your money in 15 years.</p> <p>The average annual growth for your investment is 4.5%</p>	<p>Martyn has some money to invest and sees this advert.</p> <p>Will Martyn double his money in 15 years by investing his money with “Bank of Maths?”</p>
<p>There are 6000 people at an ice hockey match.</p> <p>The announcer says this is exactly 40% more people that the previous match.</p> <p>Explain why the announcer is incorrect.</p>	

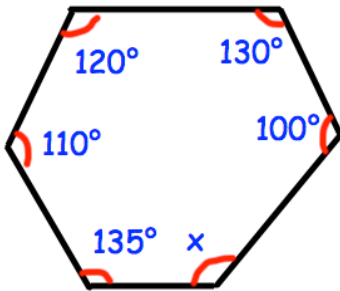
19th August

Corbettmaths

Ian truncates a number, y , to one decimal place.

The result is 8.1.

Write down the error interval for y



Find x

Solve the inequality $9x + 4 < 5x - 22$

A rectangle has one side 4cm longer than the other. Write an expression for the area.

Write down the equation of the line that is parallel to $y = 5x + 2$ and passes through $(0, 7)$

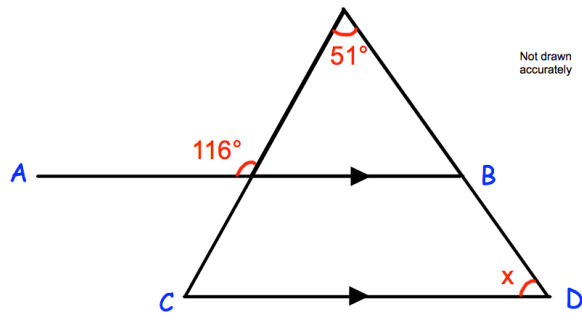
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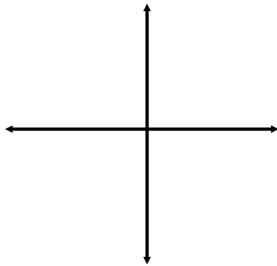
Corbettmaths

Use approximations to estimate the value of

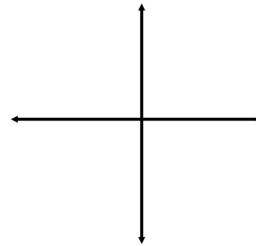
$$\frac{4.12 \times 1.89}{0.21}$$



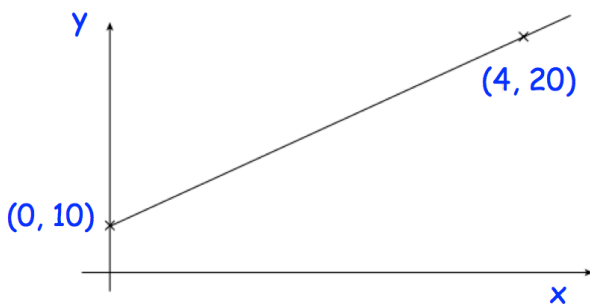
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Sketch $y = x^3$

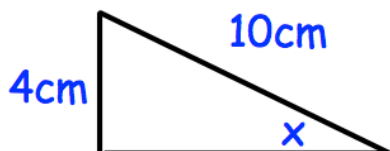


Sketch $y = \frac{1}{x}$ where $x \neq 0$



Find the equation of this line

Shown is a right angled triangle.



Find angle x.

12th August

Corbettmaths

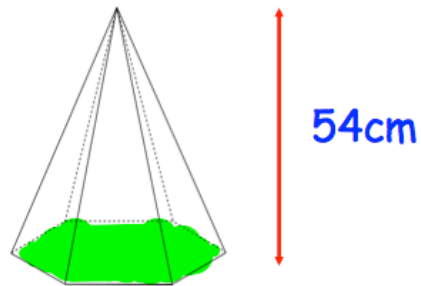
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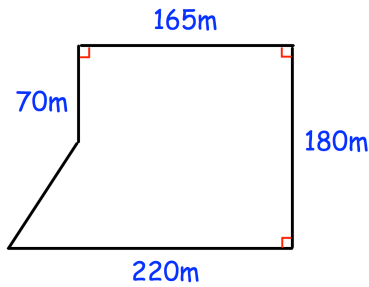
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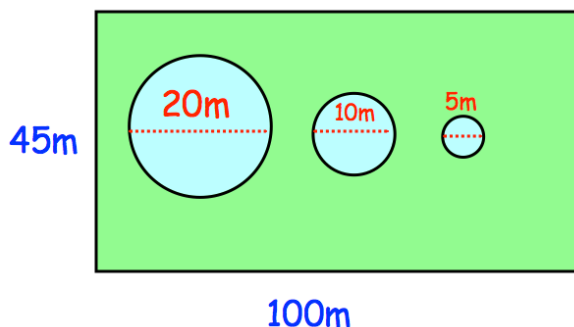
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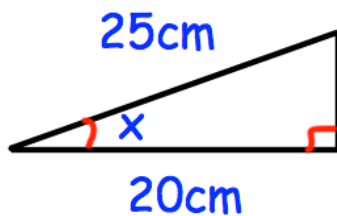
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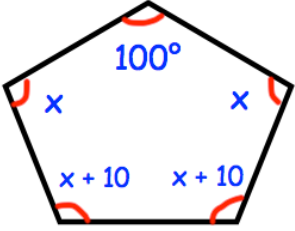
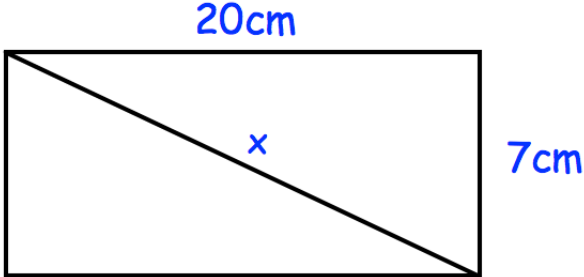
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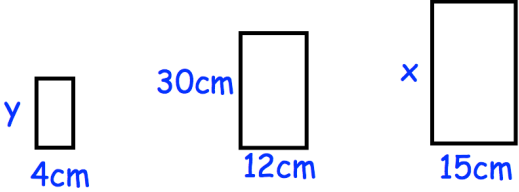
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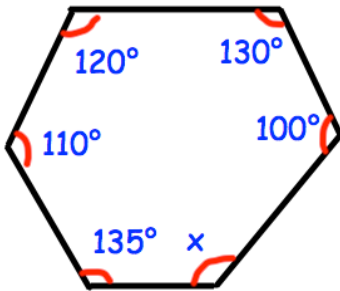
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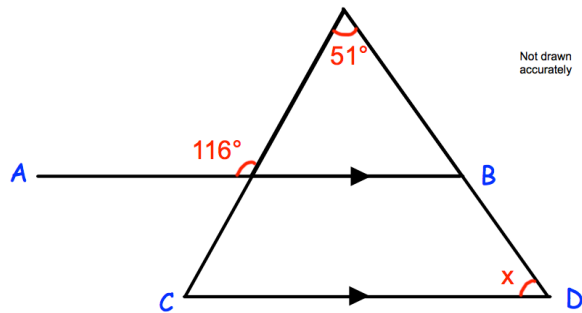
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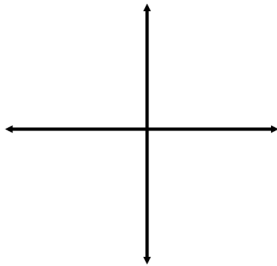
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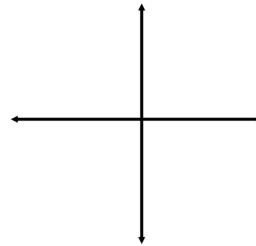
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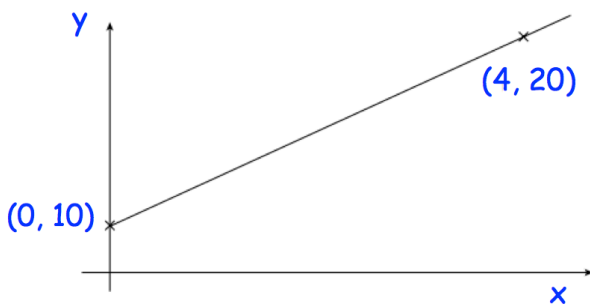
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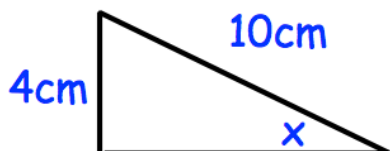


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