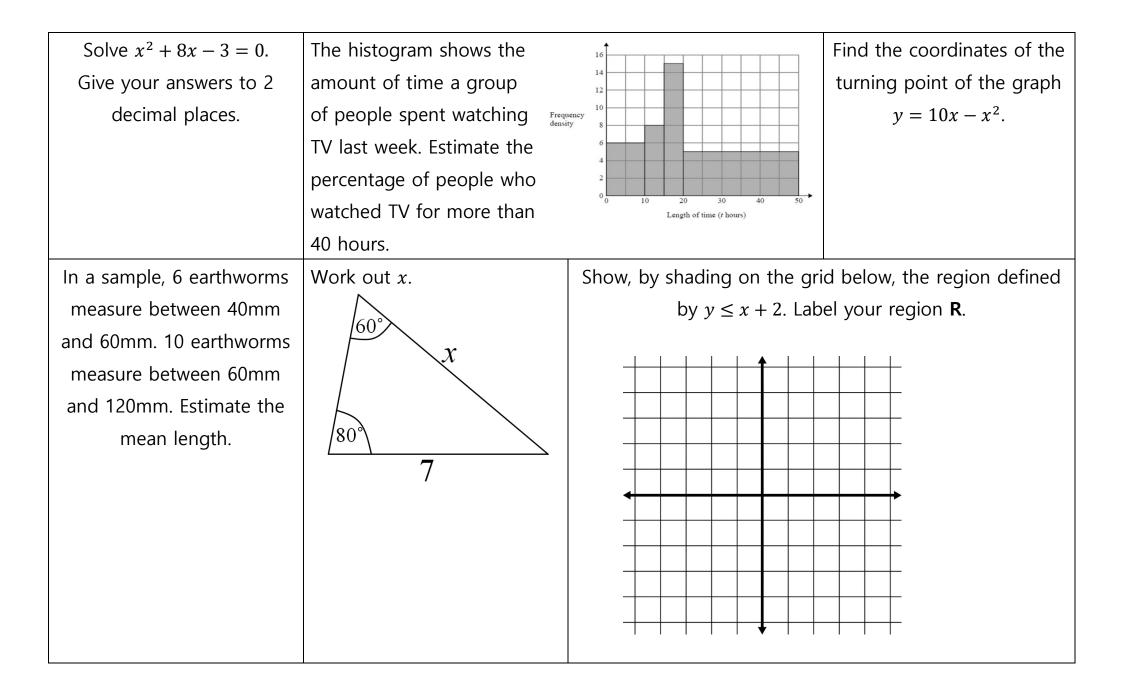
When $a = -3$, find the value of $5a^2 - 2a$.	Jo and Dan share sweets in the ratio 10 : 4. Jo has 18 more sweets than Dan. How many sweets does Dan have?	Increase £43 by 16%.	A circle has area 40 <i>cm</i> ² . Find its diameter. Round your answer to two decimal places.
Work out the size of angles a , b and c .	52° abc	Given that £1 = \$1.30, how much is \$200 worth in pounds?	a) Find $P(A \cup B)$. b) Find $P(A')$.
Use your calculator to find the cube root of 110. Round your answer to 1 decimal place.	Find the midpoint of (-3,5) and (7,10).	The cost of a jacket increases by £5. The new price is £85. Find the percentage increase.	a = 13 correct to the nearest integer. b = 70 correct to the nearest ten. Find the upper bound of $\frac{b}{a}$.

Find the length CD.	В	lf a : b = 8 : 7	Are the following
A	12 cm	and a : c = 10 : 7	numbers prime?
2 cm /	D / 6 cm	write the ratio b : c in	a) 51
E		simplest form.	
	c		b) 127
I bought a scarf in the sale.	Work out the area of the	Use your calculator	Find the gradient of the
It was marked as 30% off. It	trapezium.	to work out	line joining (–3,5) and
cost me £10.50. What was	5.2cm	$6.12 \times 10^7 \div 4.8 \times 10^2$.	(7,10).
the original price?	4.5cm 6cm	Answer in standard form.	
What's the exterior angle of	10.8cm	Is this triangle right angled?	y is inversely proportional
a regular decagon?		1	to x. Given that $y = 12$
		72	when $x = 4$, find the value
		73 48	of y when $x = 16$.
		<u>?</u> 55	

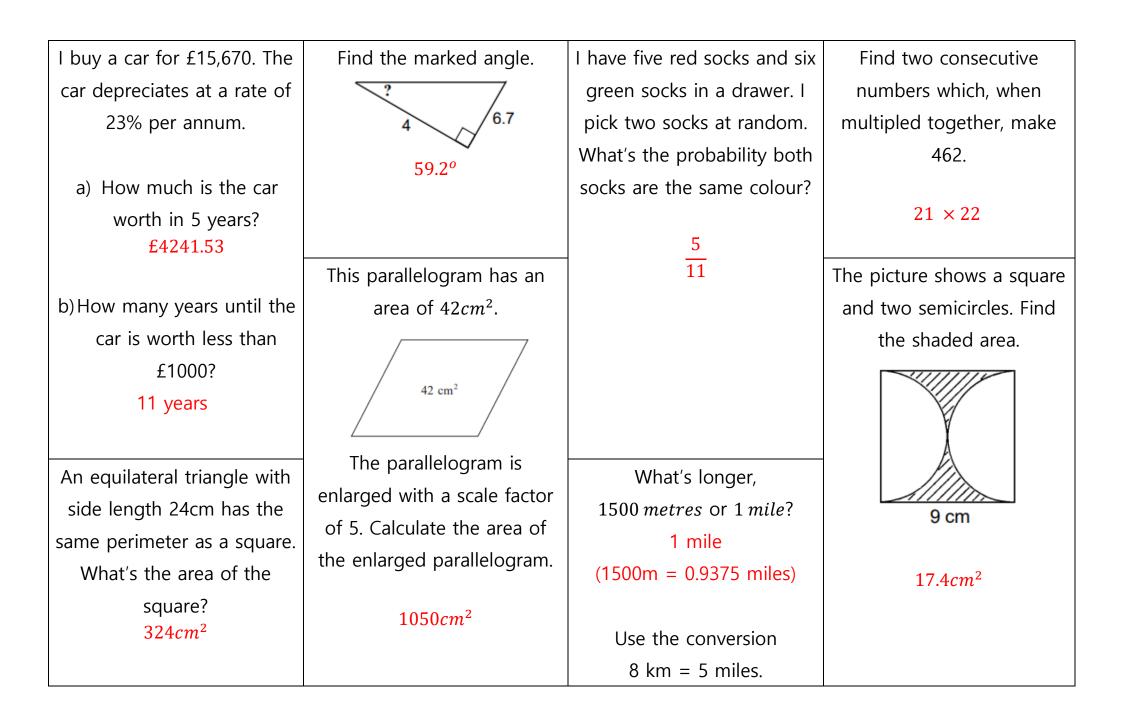
I buy a car for £15,670. The	Find the marked angle.	I have five red socks and six	Find two consecutive
car depreciates at a rate of	?	green socks in a drawer. I	numbers which, when
23% per annum.	4 6.7	pick two socks at random.	multipled together, make
		What's the probability both	462.
a) How much is the car		socks are the same colour?	
worth in 5 years?			
b) How many years until	This parallelogram has an		The picture shows a square
the car is worth less than	area of $42cm^2$.		and two semicircles. Find
£1000?			the shaded area.
	42 cm ²		
An equilateral triangle with	The parallelogram is	What's longer,	
side length 24cm has the	enlarged with a scale factor	1500 metres or 1 mile?	9 cm
same perimeter as a square.	of 5. Calculate the area of		0 om
What's the area of the	the enlarged parallelogram.		
square?		Use the conversion	
		8 km = 5 miles.	

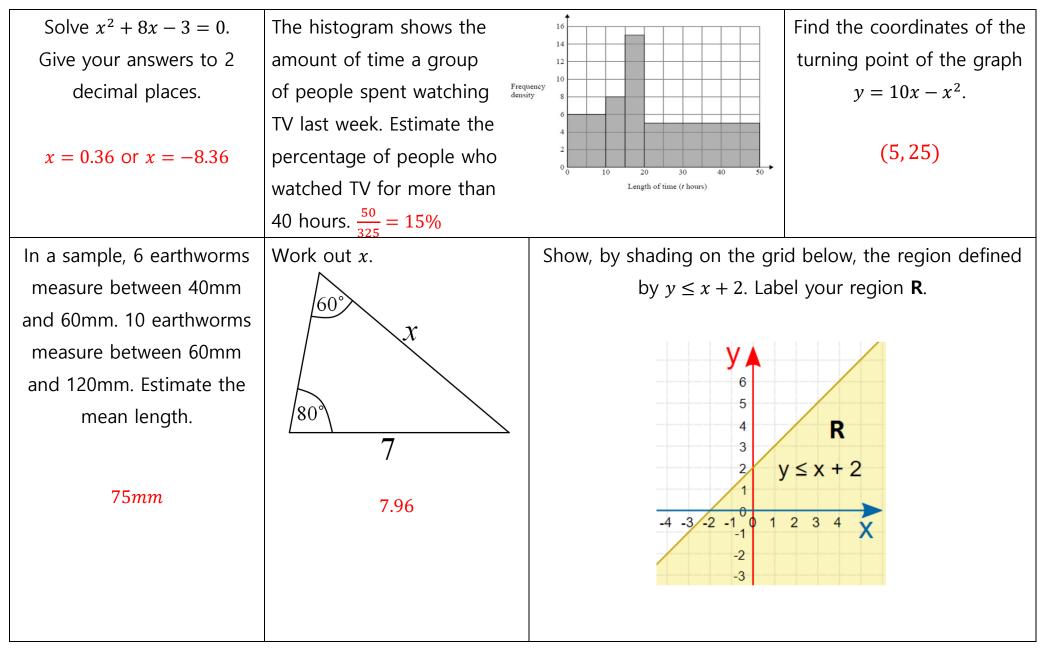


Calculator Higher - GCSE Revision - ANSWERS

When $a = -3$, find the value of $5a^2 - 2a$. 51	Jo and Dan share sweets in the ratio 10 : 4. Jo has 18 sweets more than Dan. How many sweets does Dan have? 12	Increase £43 by 16%. £49.88	A circle has area 40cm ² . Find its diameter. Round your answer to two decimal places. 7.14cm
Work out the size of angles a, b and c. $a = 64^{\circ}$ $b = 52^{\circ}$ $c = 64^{\circ}$	52° ab_{c}	Given that £1 = \$1.30, how much is \$200 worth in pounds? £153.85	a) Find $P(A \cup B)$. 0.9 b) Find $P(A')$. 0.3
Use your calculator to find the cube root of 110. Round your answer to 1 decimal place. 4.8	Find the midpoint of (-3,5) and (7,10). (2,7.5)	The cost of a jacket increases by £5. The new price is £85. Find the percentage increase. <u>6.25%</u>	a = 13 correct to the nearest integer. b = 70 correct to the nearest ten. Find the upper bound of $\frac{b}{a}$. 6

B	lf a : b = 8 : 7	Are the following
12 cm	and a : c = 10 : 7	numbers prime?
	write the ratio b : c in	(Could use FACT button on
	simplest form.	calculator)
		a) 51 <mark>No</mark>
С	5:4	b) 127 <mark>Yes</mark>
Work out the area of the	Use your calculator	Find the gradient of the
trapezium.	to work out	line joining $(-3, 5)$ and
5.0cm	$6.12 \times 10^7 \div 4.8 \times 10^2$.	(7,10).
5.2cm	Answer in standard form.	
4.5cm	1.275×10^{5}	$\frac{1}{2}$
10.8cm	Is this triangle right angled?	y is inversely proportional
$36cm^2$	1	to x. Given that $y = 12$
		when $x = 4$, find the value
	73 48	of y when $x = 16$.
	2 55 Vec	<i>y</i> = 3
	³ cm D D C C C C C C C C C C C C C	and a : c = 10 : 7 write the ratio b : c in simplest form. 5 : 4 Work out the area of the trapezium. 5.2cm 4.5cm 10.8cm $36cm^2$ and a : c = 10 : 7 write the ratio b : c in simplest form. 5 : 4 Use your calculator to work out $6.12 \times 10^7 \div 4.8 \times 10^2$. Answer in standard form. 1.275×10^5 Is this triangle right angled? 73 48





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