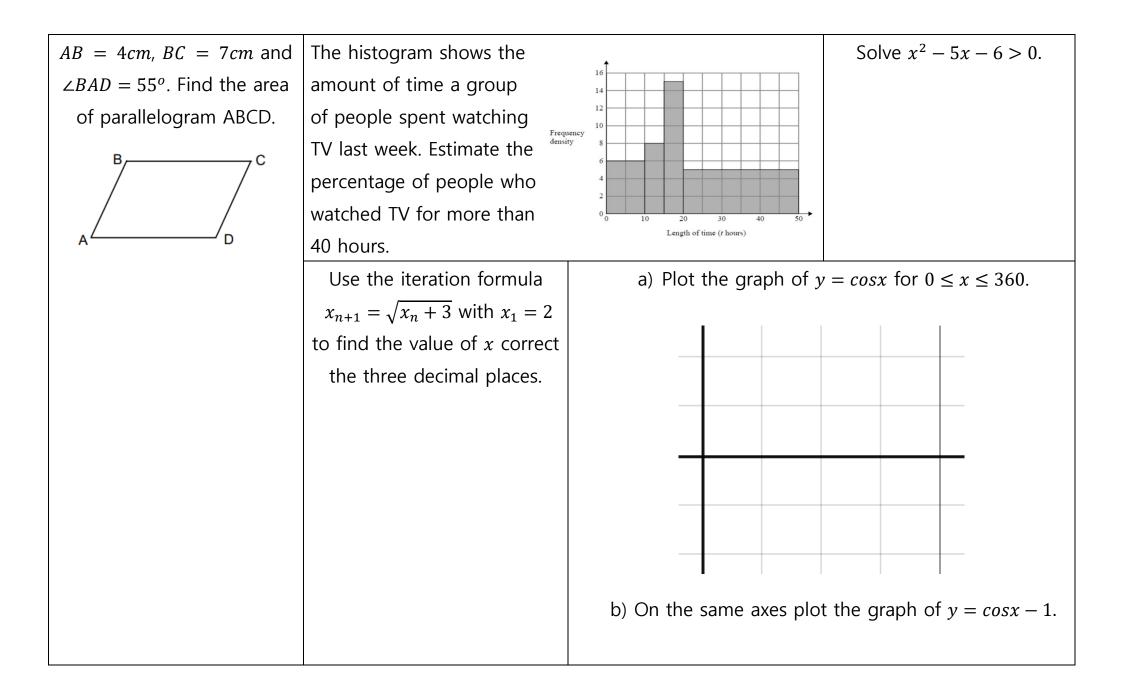
What's the exterior angle of a regular decagon?	Use your calculator to work out $6.12 \times 10^7 \div 4.8 \times 10^2$.	If a : b = 8 : 7 and a : c = 10 : 7 write the ratio b : c in	Are the following numbers prime? a) 51
	Answer in standard form.	simplest form.	b) 127
Find two consecutive numbers which, when multipled together, make 462.	I buy a car for £15,670. The car depreciates at a rate of 23% per annum. a) How much is the car worth in 5 years?	Is this triangle right angled?	I bought a scarf in the sale. It was marked as 30% off. It cost me £10.50. What was the original price?
Find the midpoint of (-3,5) and (7,10).	b) From when I bought the car, how many years until it is worth less than £1000?	What's longer, 1500 <i>metres</i> or 1 <i>mile</i> ? Use the conversion 8 km = 5 miles.	When $a = -3$, find the value of $5a^2 - 2a$.

In a sample, 6 earthworms measure between 40mm and 60mm. 10 earthworms measure between 60mm and 120mm. Estimate the mean length.	Find the marked angle.	I have five red socks and six green socks in a drawer. I pick two socks at random. What's the probability both socks are the same colour?	a) Find $P(A \cup B)$. b) Find $P(A \cap B')$.
	The ratio of the volume of Cuboid A to the volume of Cuboid B is 125 : 64. If Cuboid A has surface area x, what's the surface area of Cuboid B in terms of x?		The picture shows a square and two semicircles. Find the shaded area.
An equilateral triangle with side length 24cm has the same perimeter as a square. What's the area of the square?		Find the coordinates of the turning point of the graph $y = 10x - x^2$.	9 cm

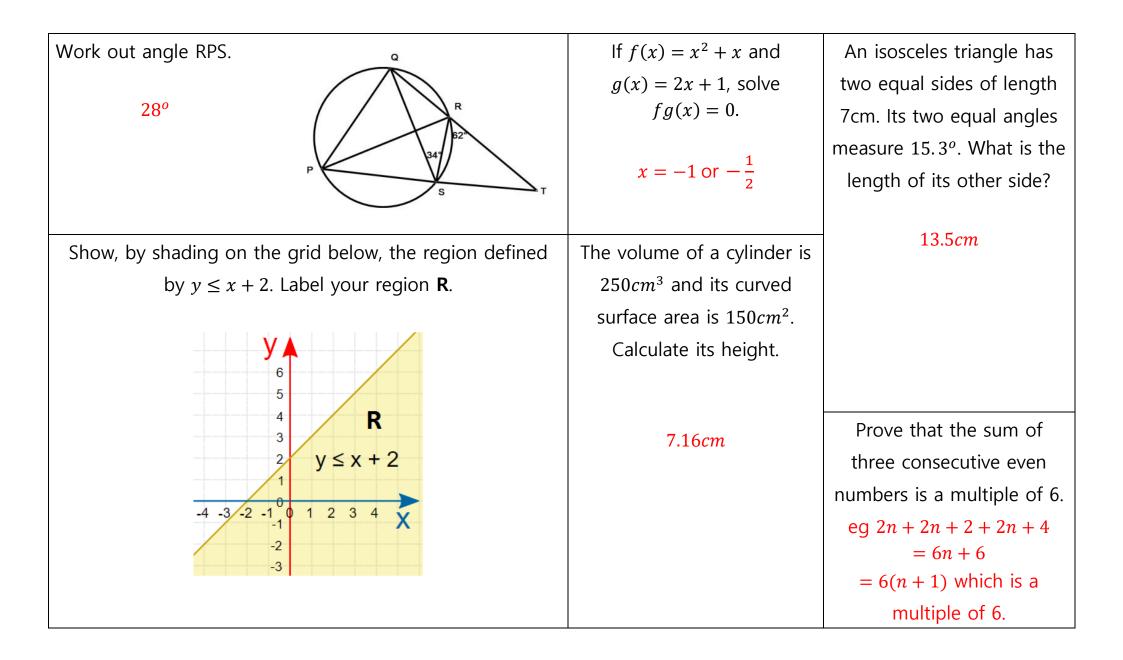
Work out angle RPS.	If $f(x) = x^2 + x$ and g(x) = 2x + 1, solve fg(x) = 0.	An isosceles triangle has two equal sides of length 7cm. Its two equal angles measure 15.3°. What is the length of its other side?
Show, by shading on the grid below, the region defined by $y \le x + 2$. Label your region R .	The volume of a cylinder is 250cm ³ and its curved surface area is 150cm ² . Calculate its height.	Prove that the sum of three consecutive even numbers is a multiple of 6.

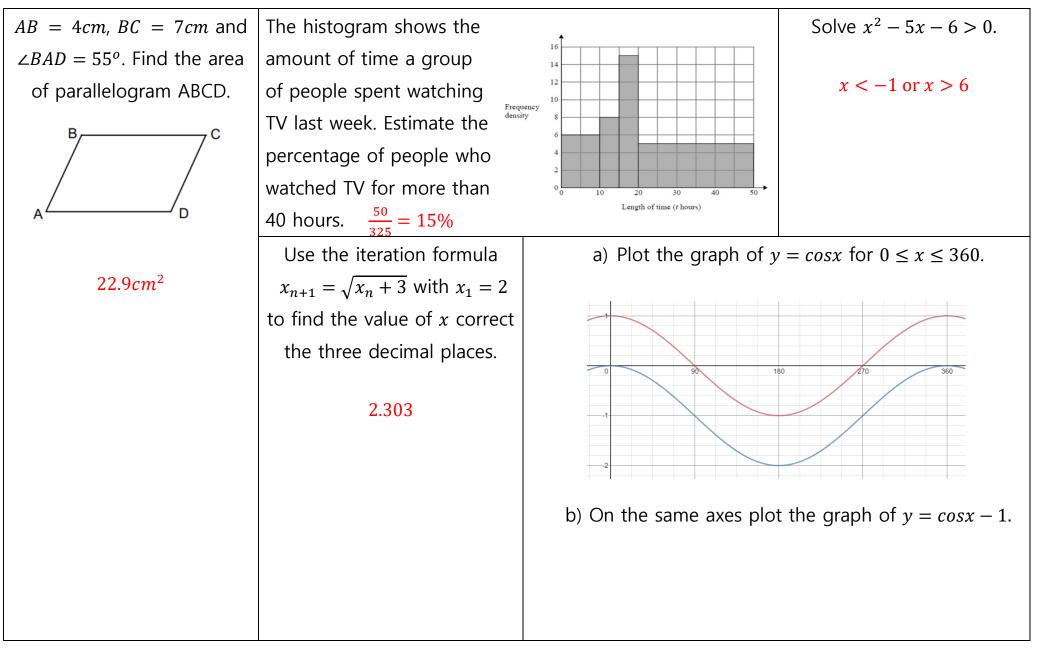


Calculator Higher + GCSE Revision – ANSWERS

What's the exterior angle of a regular decagon? <u>36</u> °	Use your calculator to work out $6.12 \times 10^7 \div 4.8 \times 10^2$. Answer in standard form.	If a : b = 8 : 7 and a : c = 10 : 7 write the ratio b : c in simplest form.	Are the following numbers prime? COULD USE FACT BUTTON ON CALCULATOR a) 51 No
	1.275×10^{5}	5:4	b) 127 <mark>Yes</mark>
Find two consecutive numbers which, when multipled together, make 462. 21 × 22	I buy a car for £15,670. The car depreciates at a rate of 23% per annum. a) How much is the car worth in 5 years?	Is this triangle right angled?	I bought a scarf in the sale. It was marked as 30% off. It cost me £10.50. What was the original price? £15
Find the midpoint of (-3,5) and (7,10). (2,7.5)	£4241.53 b) How many years until the car is worth less than £1000? 11 years	What's longer, 1500 <i>metres</i> or 1 <i>mile</i> ? 1 mile (1500m = 0.9375 miles) Use the conversion 8 km = 5 miles.	When $a = -3$, find the value of $5a^2 - 2a$. 51

In a sample, 6 earthworms measure between 40mm and 60mm. 10 earthworms measure between 60mm and 120mm. Estimate the mean length.	Find the marked angle.	I have five red socks and six green socks in a drawer. I pick two socks at random. What's the probability both socks are the same colour? $\frac{5}{11}$	a) Find $P(A \cup B)$. 0.9 b) Find $P(A \cap B')$. 0.4
75mm	The ratio of the volume of Cuboid A to the volume of Cuboid B is 125 : 64. If Cuboid A has surface area x, what's the surface area of Cuboid B in terms of x?	11	The picture shows a square and two semicircles. Find the shaded area.
An equilateral triangle with side length 24cm has the same perimeter as a square. What's the area of the square? <u>324cm²</u>	$\frac{16}{25}x$	Find the coordinates of the turning point of the graph $y = 10x - x^2$. (5,25)	9 cm 17.4cm ²





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