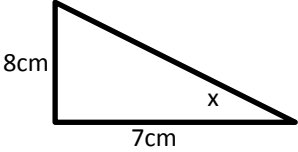
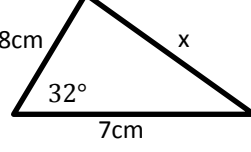
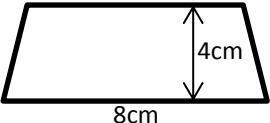
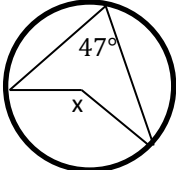
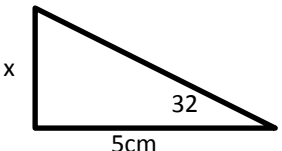
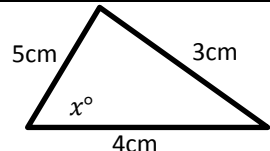
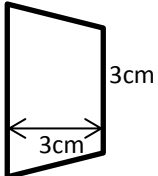
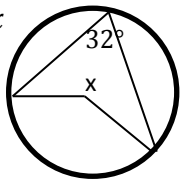
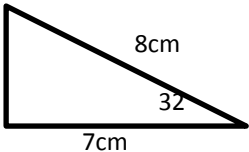
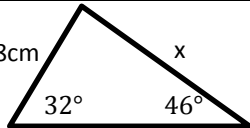
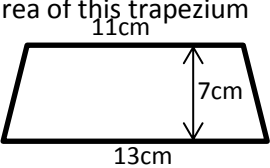
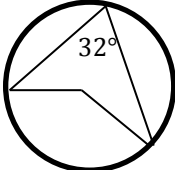


<p>A pen costs 20 pence and a pencil 15 pence. Write down an expression for the cost of c pens and d pencils in pounds</p>	<p>A sector has a radius of 7cm and an angle of 47°. Find its perimeter</p>	<p>On same axes, sketch the quadratics $y = x^2 + 5$ $y = (x + 2)^2$</p>
<p>Solve: $5(3x + 2) = 2(x - 4)$</p>	<p>Draw a number line to represent $2 < x \leq 9$</p>	<p>Solve: $5x^2 + 3x - 2 = 0$</p>
<p>If it costs £36.54 to buy 14 pens, how much would it cost to buy 31 pens?</p>	<p>Solve: $5x - 2y = 8$ $x + 3y = 5$</p>	<p>Write $x^2 + 10x + 2$ in the form $(x + a)^2 - b$ [complete the square]</p>
<p>There are 2400 rats on an island. This increases by 4% per week. How many would there be after 4 weeks?</p>	<p>Write 213,000,000 in standard form Write 0.00002345 in standard form</p>	<p>Simplify: $(10x^2y^7) \times (4x^{11}y^{-3})$ $\frac{x^2 - 9}{x^2 + 5x + 6}$</p>
<p>Find x</p> 	<p>Factorise: $x^2 + 11x + 30$ $3x^2 + 7x - 6$ $5x^2 - 45y^2$</p>	<p>Find x</p> 
<p>Find the area of this trapezium</p> 	<p>Paul tosses a coin 50 times and gets a tail 23 times. Work out the relative frequency of getting a tail</p>	<p>Find x</p> 
<p>Find the area of a circle with a radius of 7cm in terms of π</p>	<p>In a bag, the ratio of green to red tokens is 2:3. A sweet is taken out and REPLACED, another is then taken out. Find the probability they are BOTH Green</p>	<p>Solve: $\frac{5}{x + 2} + \frac{2x}{x - 3} = 2$</p>
<p>Simplify: $\sqrt{50}$</p>	<p>Rationalise the denominator: $\frac{4}{\sqrt{3}}$</p>	<p>Evaluate: $27^{-\frac{2}{3}}$</p>

Solve: $3(2x - 5) = 4(5 - 3x)$	A sector has a radius of 5cm and an angle of 32° . Find its area	On same axes, sketch the quadratics $y = x^2 - 2$ $y = (x - 3)^2$
Solve: $\frac{3x}{2} + \frac{(x + 1)}{3} = 5$	Draw a number line to represent $-3 \leq x < 2$	Two shapes are similar. One has a height of 3cm and a mass of 20g. The other has a height of 9cm. What will its mass be?
11 pies weigh 325g, how much would 17 pies weigh?	Solve: $y = x - 2$ $2x - 4y = 2$	Write $x^2 + 6x + 3$ in the form $(x + a)^2 - b$ [complete the square]
Paul invests £2300 with an annual interest rate of 3.5%. How much will he have after 5 years?	Write 301,000 in standard form Write 0.000321 in standard form	Simplify: $(3x^2y)^3 \times 2xy^{-2}$ $\frac{x^2 + 5x}{x^2 - 25}$
Find x 	Factorise: $x^2 + 4x - 12$ $2x^2 - 9x - 5$ $3x^2 - 27y^2$	Find x 
Find the area of this trapezium 	In a random sample of 20 fish, 4 had gold dots. What is the relative frequency of a fish having a gold dot?	Find the reflex angle, x 
A circle has a circumference of 20π , what was its radius	In a game, the probability of winning is 0.3, of losing is 0.5 and of drawing is 0.2. If you play the game twice, what is the probability of getting the same result both times?	Solve: $\frac{3}{x + 2} - \frac{2}{x - 5} = 2$
Simplify: $\sqrt{27}$	Rationalise the denominator: $\frac{5}{3\sqrt{8}}$	Evaluate: $64^{-\frac{2}{3}}$

<p>A pen costs 15 pence and a pencil 7 pence. Write down an expression for the cost of c pens and g pencils in pounds</p>	<p>A sector has a radius of 5cm and an angle of 32°. Find its area</p>	<p>On same axes, sketch the quadratics $y = x^2 + 3$ $y = (x - 2)^2$</p>
<p>Solve: $5(3x + 2) + 7 = 25 - 2x$</p>	<p>Draw a number line to represent $-3 \leq x < 5$</p>	<p>An object has a base of 5cm and a mass of 7kg. A similar shape has a base of 12cm. What would its mass be?</p>
<p>If it costs £5 to buy \$7.5 how much would it cost to buy 31 dollars?</p>	<p>Solve: $y = 3x - 2$ $5x - 2y = 3$</p>	<p>By completing the square, solve $x^2 - 6x + 2 = 0$</p>
<p>The mass of a fungus starts at 3.5g. It increases by 7% in the first day and then 13% in the next day. What is its mass now?</p>	<p>Write 213,345,000 in standard form to 2 significant figures Write 0.0105 in standard form</p>	<p>Simplify: $(5x^2y^3) \times 2x^5y^{-2}$ $\frac{x^2 + 5x}{x^2 + 10x + 25}$</p>
<p>Find x</p> 	<p>Factorise: $x^2 + 5x - 14$ $4x^2 + 5x - 6$ $3x^2 - 12y^2$</p>	<p>Find x</p> 
<p>Find the area of this trapezium</p> 	<p>On a coin, the probability of getting a tail is 0.3. The coin is tossed 5 times, what is the probability you get 5 tails?</p>	<p>Find the OBTUSE angle at the centre</p> 
<p>Find the circumference of a circle with a diameter of 11cm</p>	<p>In a game, the ratio of the number of times you win to lose is 3:5. You play the game twice. What is the probability you win one of the games</p>	<p>Solve the simultaneous equations: $y = 3x + 2$ $y = 2x^2 + 7x + 4$</p>
<p>Simplify: $3\sqrt{8}$</p>	<p>Rationalise the denominator: $\frac{5}{\sqrt{12}}$</p>	<p>Evaluate: $64^{\frac{5}{6}}$</p>

