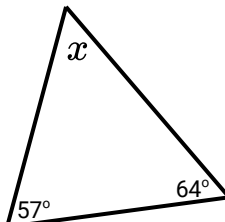
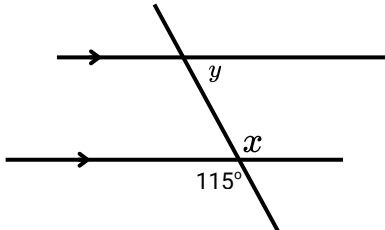
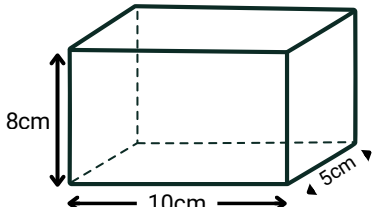




CCEA GCSE Maths Revision Mat

M1



A cinema has 12 seats in each row on either side of a central aisle. There are the same number of seats on the other side of the aisle. The cinema has 18 rows. How many seats are there altogether?	Calculate $\frac{7}{0.4^2}$	From the numbers, find 7, 49, 64, 4, 16, 1 the square number (s) = the cube number (s)= the prime number(s)= the factor(s) of 8 =	Complete the missing numbers. $\frac{2}{9} = \frac{?}{36}$ $\frac{?}{7} = \frac{30}{42}$ $\frac{4}{13} = \frac{16}{?}$																					
A phone costs £220 A customer pays a £40 deposit and then pays the rest in 10 equal payments. How much is each payment?	Calculate the missing angle: 	Find x and y 	Complete the two-way table <table><tr><td></td><td>Boys</td><td>Girls</td><td>TOTAL</td></tr><tr><td>Football</td><td></td><td>8</td><td>20</td></tr><tr><td>Tennis</td><td></td><td></td><td></td></tr><tr><td>TOTAL</td><td>17</td><td></td><td>34</td></tr></table>		Boys	Girls	TOTAL	Football		8	20	Tennis				TOTAL	17		34					
	Boys	Girls	TOTAL																					
Football		8	20																					
Tennis																								
TOTAL	17		34																					
A car travels 115 miles in 3 hours. Calculate the average speed. 	12, 5, 19, 20, 34, 11, 19 From the list of numbers, find the: Mode Mean Range Median	Calculate the volume and the surface area of the cuboid 	Match each expression to its meaning. <table><tr><td>$y + 2$</td><td>y multiplied by 2</td><td>y^2</td></tr><tr><td></td><td>y divided by 2</td><td></td></tr><tr><td></td><td>y squared</td><td>$2y$</td></tr><tr><td>$\sqrt{y}$</td><td>2 more than y</td><td></td></tr><tr><td></td><td>square root of y</td><td>$2 - y$</td></tr><tr><td>$y - 2$</td><td>y less than 2</td><td></td></tr><tr><td></td><td>2 less than y</td><td>$\frac{y}{2}$</td></tr></table>	$y + 2$	y multiplied by 2	y^2		y divided by 2			y squared	$2y$	$\sqrt{y}$	2 more than y			square root of y	$2 - y$	$y - 2$	y less than 2			2 less than y	$\frac{y}{2}$
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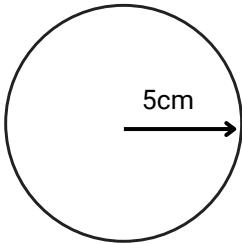
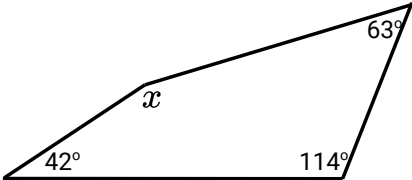
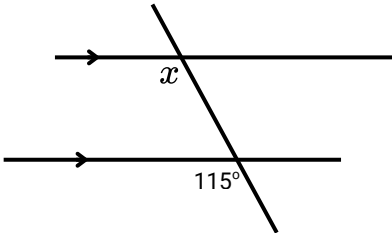
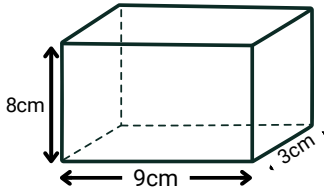




CCEA GCSE Maths Revision Mat

M1



Calculate the area and circumference of the circle 	Place brackets to make the calculation correct $18 + 6 \times 4 \div 2 = 48$	<table><tr><th>Fraction</th><th>Decimal</th><th>Percentage</th></tr><tr><td>$\frac{3}{4}$</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>20%</td></tr><tr><td>_____</td><td>0.45</td><td>_____</td></tr></table>	Fraction	Decimal	Percentage	$\frac{3}{4}$	_____	_____	_____	_____	20%	_____	0.45	_____	A cinema charges £8 per ticket and a £3 booking fee. Write an expression for the total cost of n tickets.														
Fraction	Decimal	Percentage																											
$\frac{3}{4}$	_____	_____																											
_____	_____	20%																											
_____	0.45	_____																											
Find the mean score: <table><tr><th>Score</th><th>Frequency</th></tr><tr><td>2</td><td>3</td></tr><tr><td>3</td><td>8</td></tr><tr><td>4</td><td>2</td></tr><tr><td>5</td><td>7</td></tr></table>	Score	Frequency	2	3	3	8	4	2	5	7	Calculate the missing angle: 	Find x, give a reason for your answer 	a) Complete the table b) What fraction of students walk to school <table><tr><th></th><th>Boys</th><th>Girls</th><th>TOTAL</th></tr><tr><td>Bus</td><td>14</td><td></td><td>25</td></tr><tr><td>Walk</td><td></td><td>12</td><td></td></tr><tr><td>TOTAL</td><td></td><td></td><td>46</td></tr></table>		Boys	Girls	TOTAL	Bus	14		25	Walk		12		TOTAL			46
Score	Frequency																												
2	3																												
3	8																												
4	2																												
5	7																												
	Boys	Girls	TOTAL																										
Bus	14		25																										
Walk		12																											
TOTAL			46																										
A cyclist travels 42 miles in 30 minutes. Calculate the average speed in mph. 	The mean of 5 numbers is 14. Four of the numbers are: 11, 16, 9, 21 Find the fifth number	A cube has the same volume as this cuboid. Calculate the side length of the cube. 	Simplify: a) $4a + 3b - 2a + b =$ b) $7m + 3n - 2m + 5n =$																										

Answers

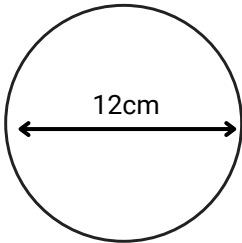
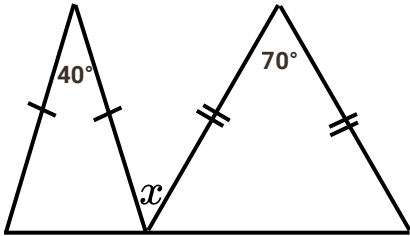
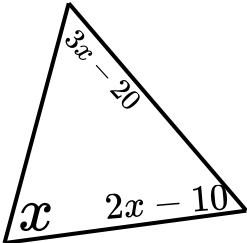
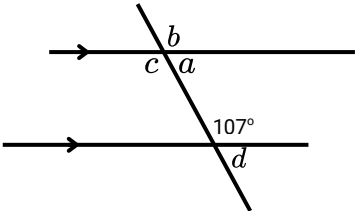
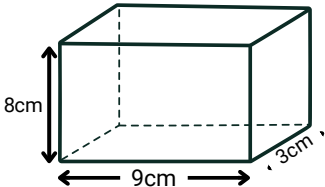




CCEA GCSE Maths Revision Mat

M1



Calculate the area and circumference of the circle 	A bike costs £480. In a sale, the price is reduced by 15% Calculate the sale price.	Calculate the value of x 	A taxi company charges: • A fixed charge of £4 • plus £1.80 per mile Write an expression for the total cost a journey of m miles.												
Sarah earned £650 last month. £104 was from bonus payments. What percentage of her earnings was not from bonus payments?	Calculate the value of x. 	Calculate all missing angles, give reasons for your answers. 	A football club has 600 members. 35% of the members are under 18 $\frac{3}{5}$ of the members who are 18 or over have a season ticket. How many members aged 18 or over have a season ticket?												
Complete the pie chart table: <table border="1"><thead><tr><th></th><th>Frequency</th><th>Angle</th></tr></thead><tbody><tr><td>Popcorn</td><td>74</td><td></td></tr><tr><td>Sweets</td><td>41</td><td></td></tr><tr><td>Chocolate</td><td>5</td><td></td></tr></tbody></table>		Frequency	Angle	Popcorn	74		Sweets	41		Chocolate	5		Solve the equation: $5(x - 3) = 35$	A cube has the same volume as this cuboid. Calculate the side length of the cube. 	Simplify: a) $4a + 3(2 - a) =$ b) $5m + 3(m - 4) =$
	Frequency	Angle													
Popcorn	74														
Sweets	41														
Chocolate	5														

