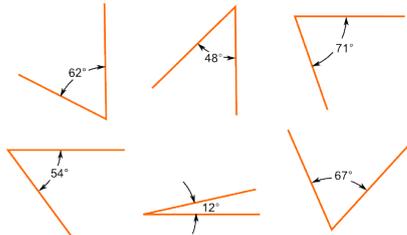
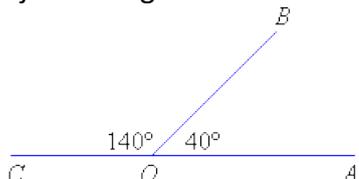
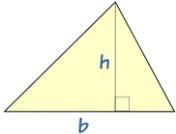
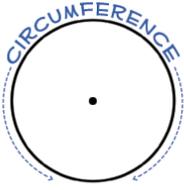
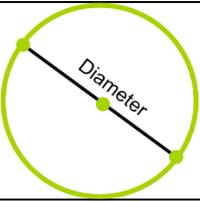
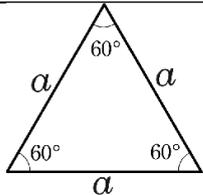
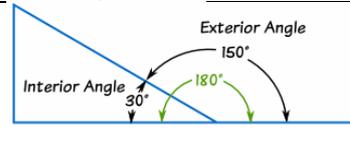
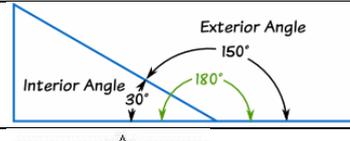
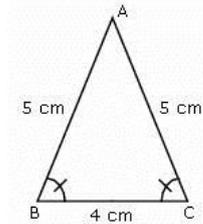
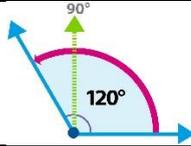
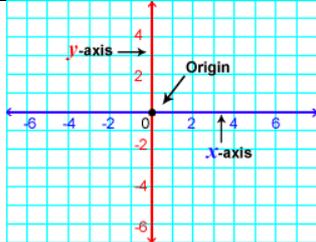
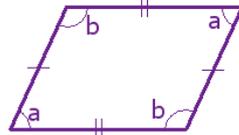
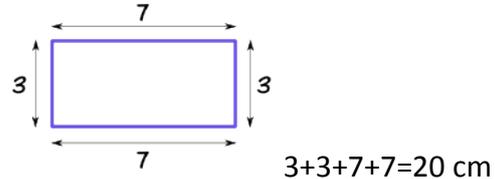
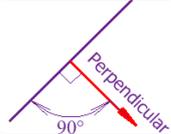
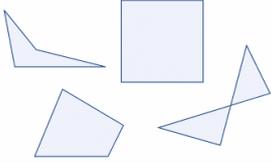
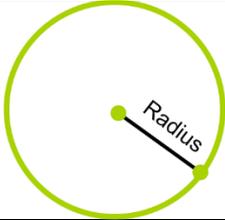
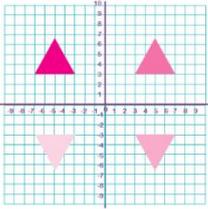
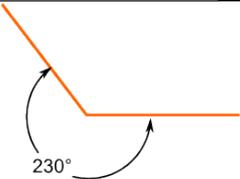
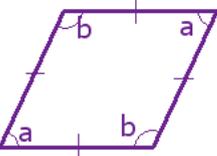
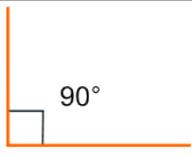
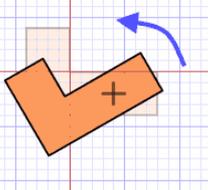


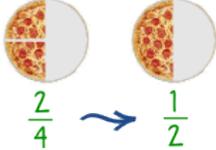
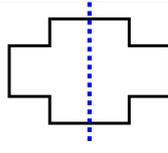
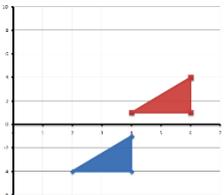
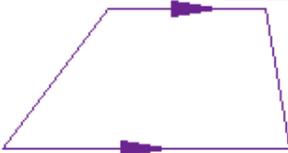
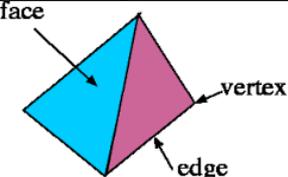
Maths Vocabulary

Word	Definition	Example
Acute	An angle is acute if it is less than 90°	
Adjacent	Next to	Adjacent angles: 
Area	The space inside a shape e.g. how much paint is needed to fill the shape	Area of rectangle: width x length Area of a triangle: $\frac{1}{2}bh$  measured in m^2 or cm^2
Circumference	The edge (perimeter) of a circle	
Consecutive	Consecutive numbers follow on "number order"	4,5,6,7 are consecutive
Cube number	Multiplying a number by itself three times will give you its cube	3 cubed = $3^3 = 3 \times 3 \times 3 = 27$
Diameter	The distance from one point on the edge of a circle to another point on the edge, going through the centre	
Difference	The result of subtracting one number from another	The difference between 12 and 35 is 23.
Equation	A number sentence where something is equal to (the same as) something else. It has an = sign.	$5 \times 4 = 20 = 19 + 1$
Equivalent	Things are equivalent if they have the same value but a different name.	Usually fractions: $\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$

Equilateral triangle	A triangle where all the sides are the same length and all the angles are the same (so 60°)	
Exterior angle	An exterior angle is the angle between any side of a shape, and a line extended from the next side.	
Factor Factor pairs	Factors are numbers multiplied to give another number; the factors of 12 are the numbers that go onto 12	Factors of 12: 12 and 1, 2 and 6, 3 and 4
Formula (plural: formulae)	A rule or equation showing the relationship between variables (things that can change)	Cost of hiring a canoe = $\text{£}10 + \text{£}5 \times$ number of people
Highest common factor	Find the factors of two given numbers. The factors that are the same are the common factors. The highest common factor is the biggest number.	Factors of 12: 1, 12, 2, 6, 3, 4 Factors of 15: 1, 15, 3, 5 The common factors are 1, 3 The highest common factor is 3.
Inequality	A number sentence where things are not equal (not the same).	$5 > 3$ '5 is more than 3' $3 < 5$ '3 is less than 5'
Interior angle	An interior angle is an angle inside a shape.	
Isosceles triangle	An isosceles triangle has two equal sides and two equal angles	
Lowest common multiple	What multiples are the same for two numbers? Which is the smallest of them?	Multiples of 5: 10, 15, 20, 25, 30... Multiples of 6: 12, 18, 24, 30 ... 30 is the first number that is in both lists so it is the lowest common multiple.
Mean	Also called average. To work out the average or mean of a set of numbers, add them all up and divide by how many there are.	$(20+20+22+16+17) \div 5$ $= 95 \div 5 = 19$

Multiple	Multiples are the result of multiplying a number by another number; the multiples of 12 are numbers in the 12 times table	Multiples of 12: 24, 36, 48, 60...
Obtuse	An angle is obtuse if it is between 90° and 180°	
Operation	The four operations are addition, subtraction, multiplication and division.	
Origin	On a co-ordinate grid it's where the x axis and y axis meet: (0,0)	
Parallel	Two lines are parallel if they remain the same distance apart and never touch	
Parallelogram	A quadrilateral with two sets of parallel lines	 A rectangle is a parallelogram with right angles
Percentage	% means 'out of 100.'	40% is the same as $\frac{40}{100}$.
Perimeter	The distance around a shape	
Perpendicular	Two lines are perpendicular if they are at a right angle	
Polygon	A 2D shape with straight sides	Triangles, pentagons, quadrilaterals etc
Prime number	A number is prime if it has exactly two factors: 1 and itself	7 is prime but 9 is not because $3 \times 3 = 9$

Product	The result of multiplying numbers together	8 is the product of 2 and 4 ($2 \times 4 = 8$)
Quadrilateral	A shape with 4 sides	
Quotient	The result of dividing one number by another	12 is the quotient of 24 and 2 ($24 \div 2 = 12$)
Radius	The distance from a point on the edge of a circle to the centre. Always half the diameter.	
Reflect	If you reflect something you draw it like it would be in a mirror	
Reflex	An angle is reflex if it is bigger than 180° but less than 360°	
Rhombus	A quadrilateral where all sides are equal. It has two sets of parallel lines.	 A square is a rhombus with right angles
Right angle	An angle is a right angle if it is 90° . A right angled triangle is a triangle with one right angle.	
Rotate "Turn"	To rotate a shape you turn the shape about a fixed point in a circular motion.	
Scalene triangle	A scalene triangle has no equal sides or angles	
Sequence	A list of numbers or objects in a special order.	3, 5, 7, 9, ... is a sequence starting at 3 and increasing by 2 each time.

Simplify	To simplify something you make it easier to work with.	 <p>To simplify a fraction, find an equivalent fraction that's easier.</p>
Square number	Multiplying a number by itself will give you its square	$2 \text{ squared} = 2^2 = 2 \times 2 = 4$
Sum	The sum is the result of adding numbers together.	The sum of 12 and 13 is 25 ($12+13=25$).
Symmetrical "Flip"	Two shapes are symmetrical if they are exactly the same if you flip them.	
Translate "Move"	To translate a shape you move it. It is exactly the same just in a different place.	
Trapezium	Quadrilateral with one set of parallel lines	
Vertex	Corner of a shape	
Volume	The amount of 3D space a shape fills up. Formula: base x width x height	$10 \times 5 \times 4 = 200$ 