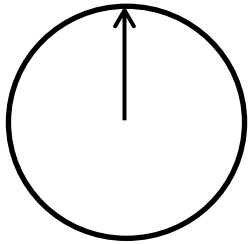
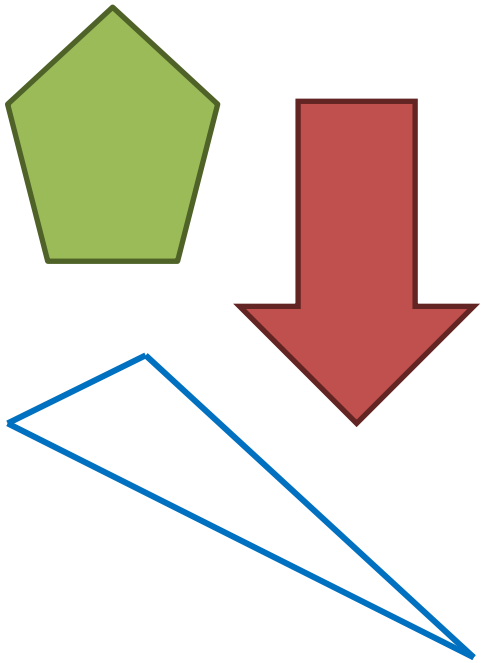
Term by Term Objectives

Year 5

	National Curriculum Statement	All Students		
		Fluency	Reasoning	Problem Solving
Angles	Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.	• If one angle in a triangle is 38° and another is 68°, what type of angle will the third be? • Tick all the obtuse angles 47° 107° 98° 90°  • Which number is an angle? 79.4 -60 Explain why.	• **Odd one out.** 180° 45° 79° 225° Explain why. • Cut out a circle with a spinner in the centre.  Put the arrow in the starting position above. Turn over a flash card with an angle on. Estimate the given angle by moving the spinner. Check how close you are.	• Estimate and measure the angles in these shapes.  Record your results in a table. Work out how close you were. Did you notice anything or find any easier?

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Term by Term Objectives

Year 5

Angles	Draw given angles, and measure them in degrees (^{o})	**Complete practically** • Draw an obtuse angle that is a multiple of 5 and 3 Can your partner check it? • Draw an acute angle that has a factor of both 4 and 6 • What do the angles in a triangle add up to?	**Complete practically** • Class 5 are given one angle in an isosceles. It is 50° Carol says, The other angles are 65° because two angles are equal in an isosceles triangle. Is she correct? Explain why.	**Complete practically** • Draw a range of angles for a friend. Have them order them, before measuring, from smallest to largest and check to see if they were correct.

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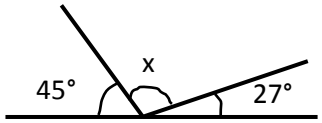
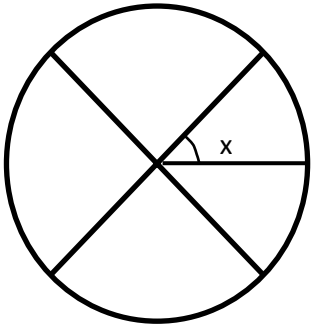
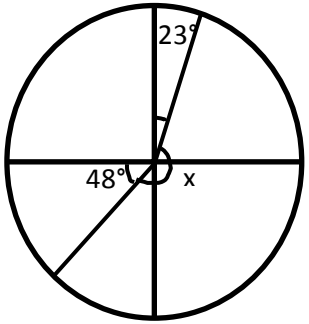
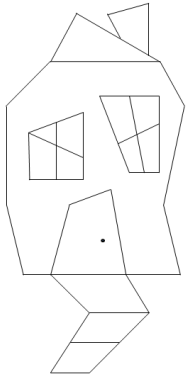
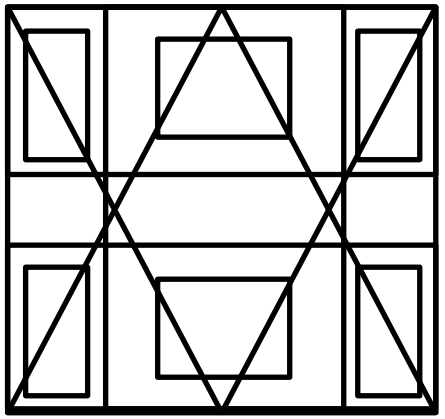
Term by Term Objectives

Year 5

Angles	Identify: angles at a point and one whole turn (total 360°), angles at a point on a straight line and ½ a turn (total 180°) other multiples of 90°	• Work out the missing angles.   	• Gary says, If I turn the letter M by 180° then it looks like the letter W Do you agree? Prove it. • Design a 'fun house' for children to play in. It should have 'wonky' walls, windows and doors. Label the angle types. e.g. 	• How many right angles can you find?  • Investigate the amount of obtuse and acute angles there could be in a pentagon. How many different pentagons can you create? Record the information in a table to show different acute and obtuse angles. • Create your own missing angles for a partner. Include information relating to quarter, half and full turns.

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