

Year 5 Regular and Irregular Polygons – Guidance for Parents/Carers

Activity:

The aim of this activity is for children to practise recognising regular and irregular polygons. There are three questions to complete. The first two questions allow children to practise the skill, while the third question extends them as they have to problem solve and explain their answer.

Vocabulary:

A **Carroll diagram** is a two-way table used to sort or group numbers or objects.

A **polygon** is a 2D shape that has all straight sides.

A **regular polygon** is a 2D shape that has all equal angles and all equal sides.

An **irregular polygon** is a 2D shape where the sides and angles are not all equal.

Supporting resources:

You can watch a video tutorial about regular and irregular polygons on kids.classroomsecrets.co.uk >> **Year 5** >> **Maths** >> **Properties of Shape** >> **Video Tutorials**.

Other resources:

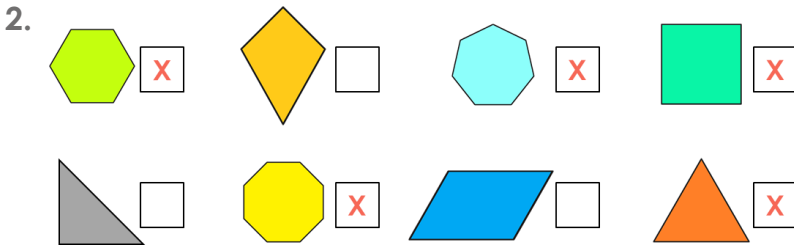
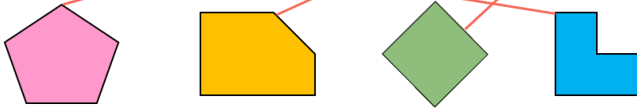
If your child enjoyed this activity and wants to try more activities linked to this learning, you can sign up for £4.83 per month on classroomsecrets.co.uk/membership.

Check out our daily timetable for Year 5 home learning activities on kids.classroomsecrets.co.uk >> Home Learning Timetable.

Regular and Irregular Polygons

1.

	Irregular Hexagon	Regular Pentagon	Irregular Pentagon	Regular Quadrilateral
Number of sides	6	5	5	4
Shape				



3. Shamir is incorrect. Shape A is irregular because it has different length sides and angles. Shape D is regular as it has sides of equal length and the angles are the same size.