

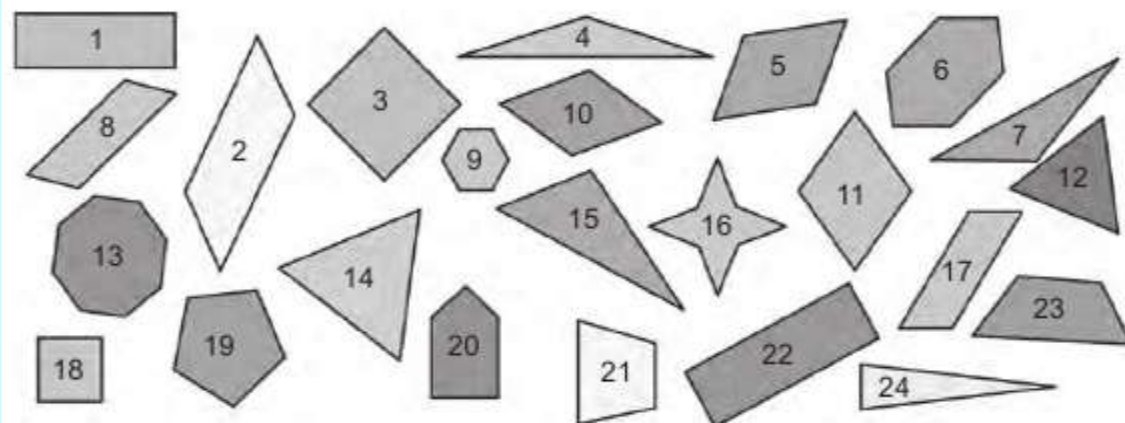
Unit 8 Classifying triangles and quadrilaterals

In this unit you will:

- describe, sort, name and compare triangles according to their sides and angles
- describe, sort, name and compare quadrilaterals according to the properties of their sides and angles
- solve simple geometric problems with triangles and quadrilaterals.

Getting started Different shapes

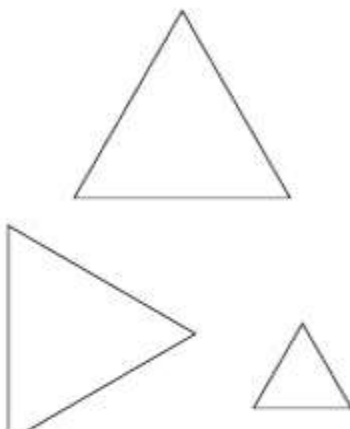
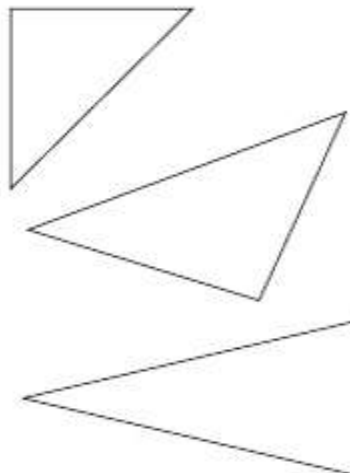
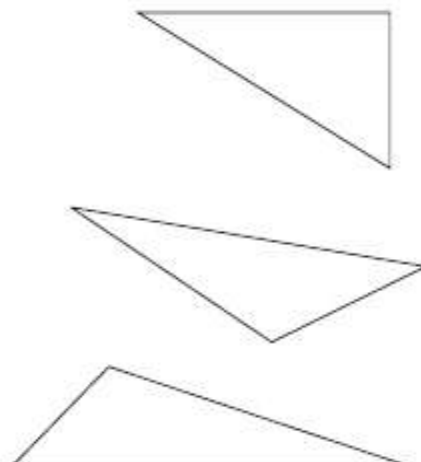
Complete the table below. Write the number and name of each shape in the correct column.



Three-sided shapes	Four-sided shapes	Five-sided shapes	Six-sided shapes	Eight-sided shapes
4 – isosceles triangle	1 – rectangle			
	2 – parallelogram			

Activity 8.1**Classifying triangles**

These triangles have been classified into three groups:

Equilateral triangles	Isosceles triangles	Scalene triangles
		

- What reasons have been used to group these triangles?
- In which group would you place each of the following triangles?
 - A triangle that has three equal sides.
 - A triangle in which each side has a different length.
 - A triangle with two sides of the same length.
- Explain what the following are. Use the table and the questions above.
 - An equilateral triangle.
 - An isosceles triangle.
 - A scalene triangle.

We can also classify the triangles above as follows:

Group 1	Group 2	Group 3
