Word list: decagon, hexagon, number, octagon, pentagon, quadrilaterals, regular.
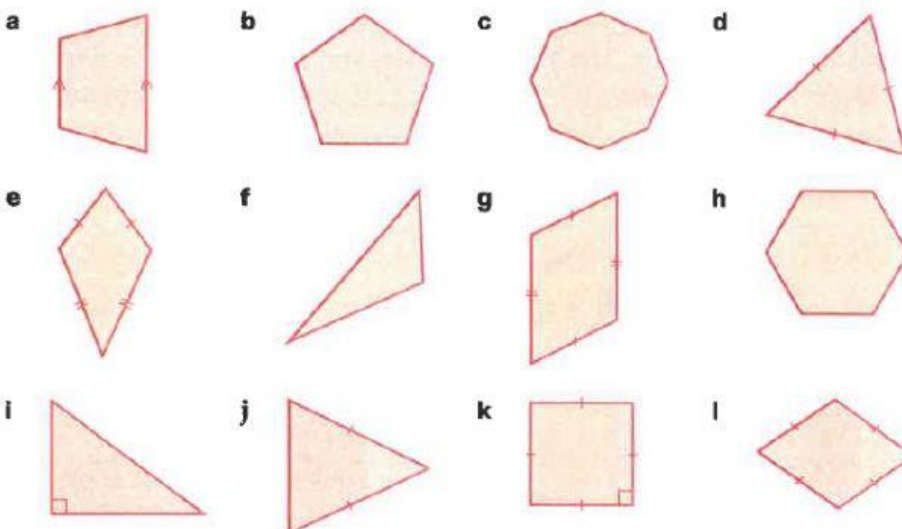
A **polygon** is a shape with straight sides. We use the _____ of sides they have to name each polygon. We have already looked at triangles and _____ in detail. We have the following names for polygons with more than 4 sides:

Name	Number of sides
	5
	6
Heptagon	7
	8
Nonagon	9
	10
Undecagon	11
Dodecagon	12

> A **rhombus** had 4 equal sides but not 4 equal angles, so it is **not a regular polygon**.

When all the sides and angles of a polygon are equal, it is called a _____ polygon. The equilateral triangle and the square are _____ polygons.

6 Name each shape.

a b c d

e f g h

i j k l

7 Is each statement TRUE or FALSE?

a An isosceles triangle must be acute-angled.

b A square is a regular quadrilateral.

c An obtuse-angled triangle must also have acute angles.

d A rhombus is a special parallelogram.

e An acute-angled triangle cannot be isosceles.

f A rectangle is a special trapezium.

g An equilateral triangle must be acute-angled.

h A trapezium must have 2 equal sides.