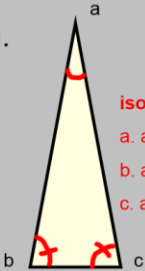
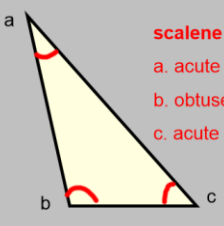
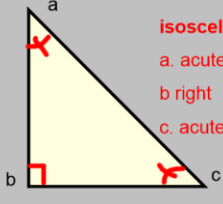
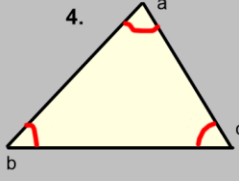


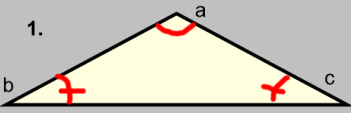
Y4 – Maths – Shape – Lesson 6 – ANSWERS

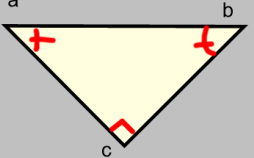
1.  **isosceles**
 a. acute
 b. acute
 c. acute

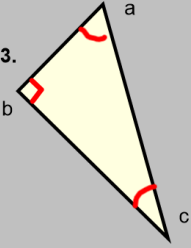
2.  **scalene**
 a. acute
 b. obtuse
 c. acute

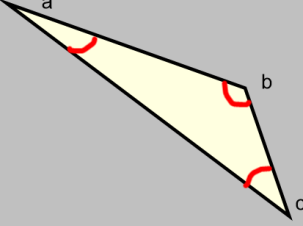
3.  **isosceles**
 a. acute
 b. right
 c. acute


4.  **scalene**
 a. acute
 b. acute
 c. acute

1.  1. **isosceles**
 a. obtuse
 b. acute
 c. acute

2.  2. **isosceles**
 a. acute
 b. acute
 c. right

3.  3. **scalene**
 a. acute
 b. right
 c. acute

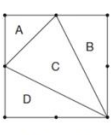
4.  4. **scalene**
 a. acute
 b. obtuse
 c. acute

Two of the angles in a triangle are 70° and 40°
 Jack says,

 The triangle is equilateral.

Explain why Jack is **not** correct.

An explanation showing an understanding:
 • that this specific triangle has angles 70, 70 and 40
OR
 • of the properties of an equilateral triangle – all angles are equal (60°)

This diagram shows a square with dots at the vertices and at the middle of each side.
 The square is divided into four triangles, **A, B, C** and **D**.



Write the letters of all the triangles that have a **right angle**.

Write the letters of all the triangles that have **two equal sides**.

(a) **A AND B AND D**
Letters may be given in any order.

(b) **A AND C**
Letters may be given in any order.

Jamie draws a triangle.
 He says,
'Two of the three angles in my triangle are obtuse'.
 Explain why Jamie **cannot** be correct.

An explanation (or diagram) which recognises that the sum of two obtuse angles would be greater than 180 degrees, eg:
 • 'An obtuse angle is greater than 90 degrees and the angles of a triangle add up to 180 degrees'
 • 'Two obtuse angles add up to more than 180'
 • '180 degrees is less than two obtuse angles'
 • 'It must have at least two acute angles'
 • 'The shape would need more than 3 sides to join up'

