

Angles and Triangles

Class 5 • Maths • Worksheet (illustrative sample)

Worksheet for Class 5 Maths: Angles and Triangles.

Questions

1. Name the type of angle: 45° .
2. Name the type of angle: 90° .
3. Name the type of angle: 135° .
4. Name the type of triangle where all three sides are equal.
5. Two angles of a triangle are 70° and 50° . Find the third angle.
6. Can a triangle have angles measuring 60° , 70° , and 80° ? Explain why or why not.
7. In a right-angled triangle, one acute angle is 35° . Find the other acute angle.
8. A triangle has side lengths 7 cm, 7 cm, and 10 cm. Name the triangle based on its sides.

Answer Key

1. Acute angle
2. Right angle
3. Obtuse angle
4. Equilateral triangle
5. 60° (since $180^\circ - 120^\circ = 60^\circ$)
6. No, because $60^\circ + 70^\circ + 80^\circ = 210^\circ$, which exceeds 180°
7. 55° (since $90^\circ - 35^\circ = 55^\circ$)
8. Isosceles triangle

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