

Geometry: Measuring and Classifying Angles



Use the matching sheet ID when checking answers.

Read each protractor from its zero-degree baseline, or classify the angle as acute, right, or obtuse.

1. Read the protractor. Ray OA starts at 0° on the right. What is the angle?

Answer: D. 130°

Start at the right-hand 0° baseline and read toward ray OB: 130° .

3. Read the protractor. Ray OA starts at 0° on the right. What is the angle?

Answer: B. 80°

Start at the right-hand 0° baseline and read toward ray OB: 80° .

5. Read the protractor. Ray OA starts at 0° on the right. What is the angle?

Answer: A. 70°

Start at the right-hand 0° baseline and read toward ray OB: 70° .

2. Classify an angle measuring 100° .

Answer: B. Obtuse

Acute angles are less than 90° , right angles equal 90° , and obtuse angles are between 90° and 180° . This angle is obtuse.

4. Classify an angle measuring 100° .

Answer: D. Obtuse

Acute angles are less than 90° , right angles equal 90° , and obtuse angles are between 90° and 180° . This angle is obtuse.

6. Classify an angle measuring 10° .

Answer: A. Acute

Acute angles are less than 90° , right angles equal 90° , and obtuse angles are between 90° and 180° . This angle is acute.