

Geometry and Angles: math test, Grade 4 – download the PDF

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1 Vocabulary

/ 3 pts

Name each figure.

- a. It goes on forever in both directions.
- b. It has two endpoints.
- c. It has one endpoint.

2 Types of angles

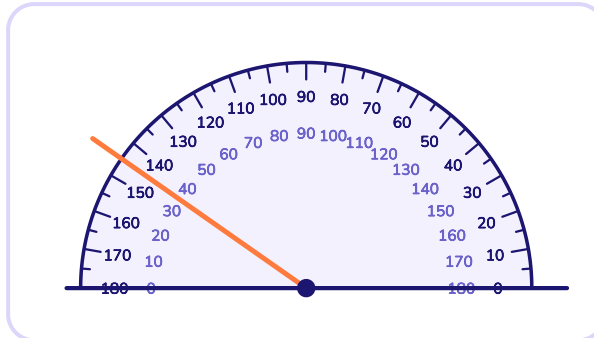
/ 3 pts

Classify each angle as acute, right, obtuse or straight: 15° , 90° , 164° , 91° , 180° , 89° .

3 Using a protractor

/ 3 pts

The base ray points to 0 on the outer scale.



(a) Measure the angle. (b) Classify it. (c) How many degrees must be added to make a straight angle?

4 Adding angles

/ 4 pts

- (a) A right angle is split into 56° and another angle. Find the other angle.
- (b) A gate opens 48° , then 37° , then 29° more. What is the total opening?
- (c) How many more degrees until the gate makes a straight angle?

5 Triangles and quadrilaterals

/ 4 pts

- (a) A triangle has three sides of 7 cm. Classify it by its sides. (b) A triangle has angles 90° , 30° and 60° . Classify it by its angles. (c) A quadrilateral has four equal sides and no right angles. Name it. (d) True or false: every square is a rectangle.

6 Symmetry

/ 3 pts

- (a) How many lines of symmetry does an equilateral triangle have? (b) And a rectangle that is not a square? (c) A rectangle 10 cm by 6 cm is folded along a line of symmetry. Give the two possible sizes of the folded rectangle.



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