

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

Test solutions with the detailed point scale. Add up your points and spot what to review.

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

1 Vocabulary

/ 3 pts

(a) A **line** (1 pt). (b) A **segment** (1 pt). (c) A **ray** (1 pt).

2 Types of angles

/ 3 pts

15° acute (0.5 pt), 90° right (0.5 pt), 164° obtuse (0.5 pt), 91° obtuse (0.5 pt), 180° straight (0.5 pt), 89° acute (0.5 pt).

3 Using a protractor

/ 3 pts

(a) The angle measures **145°** (1 pt). (b) It is **obtuse** (1 pt). (c) $180 - 145 = 35$, so **35°** (1 pt).

4

Adding angles

/ 4 pts

- (a) $90 - 56 = 34$, so 34° (1 pt).
(b) $48 + 37 + 29 = 114$, so 114° (2 pts).
(c) $180 - 114 = 66$, so 66° (1 pt).

5

Triangles and quadrilaterals

/ 4 pts

- (a) **Equilateral** (1 pt). (b) **Right** triangle (1 pt). (c) A **rhombus** (1 pt). (d) **True**: a square has four right angles and opposite sides parallel (1 pt).

6

Symmetry

/ 3 pts

- (a) **3** (1 pt). (b) **2** (1 pt). (c) **5 cm by 6 cm or 10 cm by 3 cm** (1 pt).

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