

Geometry Test Questions

Below are sample questions from the TIMSS achievement tests in Science administered to twenty-six countries. TIMSS is a research project sponsored by the International Association for the Evaluation of Educational Achievement (IEA). These questions may be used in the classroom, as a tool for evaluation, or to provide examples of test-question writing.



Grades 7 and 8

1. A straight line on a graph passes through the points (3,2) and (4,4). Which of these points also lies on the line?

- A. (1,1)
- B. (2,4)
- C. (5,6)
- D. (6,3)
- E. (6,5)

Answer: C

2. A quadrilateral **MUST** be a parallelogram if it has

- A. one pair of adjacent sides equal
- B. one pair of parallel sides
- C. a diagonal as axis of symmetry
- D. two adjacent angles equal
- E. two pairs of parallel sides

Answer: E

3. In a quadrilateral, two of the angles each have a measure of 110 degrees, and the measure of the third angle is 90 degrees. What is the measure of the remaining angle?

- A. 50 degrees
- B. 90 degrees
- C. 130 degrees
- D. 140 degrees
- E. None of the above

Answer: A

4. What is the ratio of the length of a side of a square to its perimeter?

A. $1/1$

B. $1/2$

C. $1/3$

D. $1/4$

Answer: D