

Grade 4 - Lines of Symmetry - Test Answer Key

Common Core 4.G.A.3 · maths-pdf.fr/en/

Use this answer key to score the test out of 20 points. Each solution explains the fold that makes the halves match. The scoring note tells how to give partial credit for drawings and explanations.

Grade 4 · Common Core State Standards: **4.G.A.3**

Question 1 - Line symmetric or not [2 pts]

- a. A kite folds along its long diagonal so the halves match: **yes**.
- b. A slanted parallelogram has no fold that makes the halves match: **no**.

Scoring: 1 point for each correct answer.

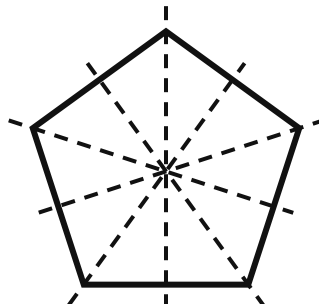
Question 2 - Count the lines [2 pts]

- a. **2 lines**
- b. **3 lines**

Scoring: 1 point for each correct answer.

Question 3 - Draw the lines [2 pts]

The five lines each join a corner to the middle of the opposite side.



A regular pentagon.

Scoring: 1 point for drawing at least 3 correct lines, 2 points for all 5 correct lines and no

incorrect lines.

Question 4 - Letters with symmetry [2 pts]

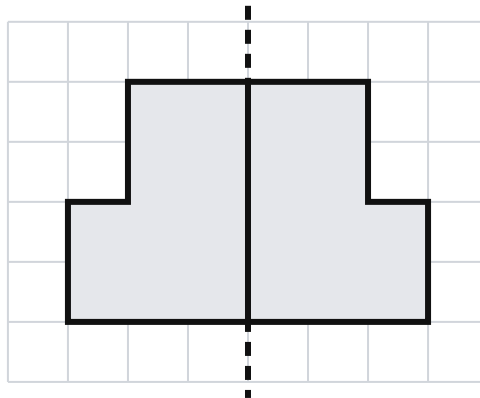
A, H, and M can be cut into matching left and right halves by a vertical line.

A, H, M

Scoring: 2 points for all three letters with no extra letters. 1 point for two correct letters, or for all three plus one extra.

Question 5 - Complete the figure [3 pts]

Each corner on the left matches a corner on the right at the same distance from the dashed line.



Grid with a dashed line of symmetry.

Scoring: 1 point for correct corners on the right half, 1 point for matching heights, and 1 point for joining the corners in the correct order.

Question 6 - Sort the shapes [3 pts]

(a) 1 line. (b) A regular hexagon has 6 sides, so 6 lines. (c) No fold matches, so 0 lines.

(a) 1 (b) 6 (c) 0

Scoring: 1 point for each correct number.

Question 7 - Road signs [3 pts]

- a. 8 sides, so **8 lines**
- b. 3 sides, so **3 lines**
- c. $8-3=5$, so **5 more lines**

Scoring: 1 point for each correct part.

Question 8 - Check a claim [3 pts]

Mei is not right. A square has 4 lines of symmetry, but a rectangle that is not a square has only 2, and a slanted parallelogram has 0.

No, she is not right.

Scoring: 1 point for saying she is not right, 1 point for a correct example with the right number of lines, 1 point for a second correct example.

Total
20 points