

Grade 4 - Lines of Symmetry - Test

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

Name: _____ Class: _____ Date: ____/____/____

This test has 8 questions worth 20 points. Allow 45 minutes. Use a ruler for the drawing questions. You may imagine folding the shapes to check your answers. Count only lines that make both halves match exactly.

About this test

- Grade: Grade 4
- Chapter: Lines of Symmetry
- Standards: 4.G.A.3
- Time: 45 minutes
- Total: 20 points

Question 1 - Line symmetric or not [2 pts]

Decide whether each figure is line-symmetric.

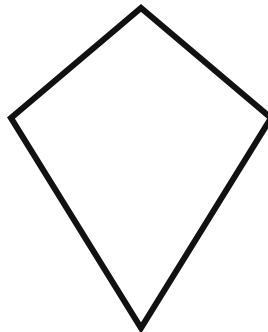


Figure A
Figure A.

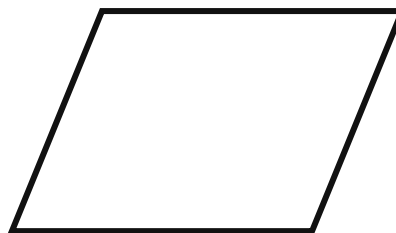


Figure B

Figure B.

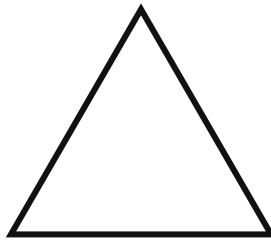
- a. Is Figure A line-symmetric? (1 point)
- b. Is Figure B line-symmetric? (1 point)

Question 2 - Count the lines [2 pts]

- a. How many lines of symmetry does a rectangle that is not a square have? (1 point)
- b. How many lines of symmetry does an equilateral triangle have? (1 point)



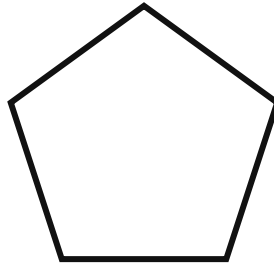
A rectangle that is not a square.



An equilateral triangle.

Question 3 - Draw the lines [2 pts]

Draw every line of symmetry on the regular pentagon.



A regular pentagon.

(2 points)

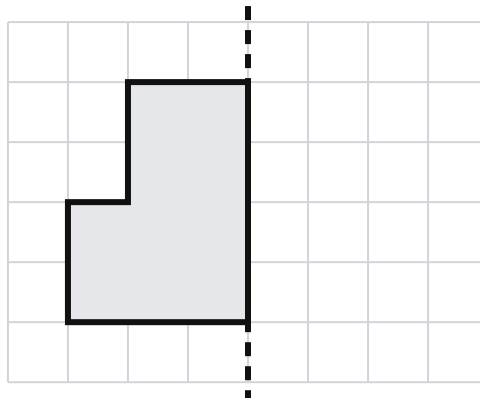
Question 4 - Letters with symmetry [2 pts]

Look at the letters A, B, F, H, M, and S. Write the letters that have a vertical line of symmetry.

(2 points)

Question 5 - Complete the figure [3 pts]

The dashed line is a line of symmetry. Draw the other half of the figure.



Grid with a dashed line of symmetry.

(3 points)

Question 6 - Sort the shapes [3 pts]

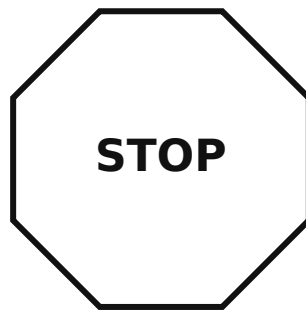
Write the number of lines of symmetry.

Shape	Lines of symmetry
Isosceles triangle with exactly two equal sides	(a)
Regular hexagon	(b)
Slanted parallelogram	(c)

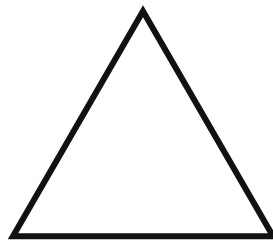
(1 point for each row)

Question 7 - Road signs [3 pts]

A stop sign is a regular octagon and a yield sign is an equilateral triangle.



A stop sign.



An equilateral triangle.

- How many lines of symmetry does the stop sign have? (1 point)
- How many does the yield sign have? (1 point)
- How many more lines does the stop sign have? (1 point)

Question 8 - Check a claim [3 pts]

Mei says, "Every shape with 4 sides has 4 lines of symmetry." Is she right? Give two examples of 4-sided shapes to explain your answer. (3 points)