ALBERT

Name _____ Date _____

Lines of Symmetry Worksheet

Grade 4 · Common Core 4.G.A.3

> Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.

Practice

Builds the skill step by step.

1. How many lines of symmetry does a square have?

   A. 4

   B. 2

   C. 1

   D. 0

2. How many lines of symmetry does this rectangle have?



3. How many lines of symmetry does an equilateral triangle have?

4. Which capital letter has a line of symmetry?

   A. F

   B. A

   C. J

   D. G

5. How many lines of symmetry does a circle have?

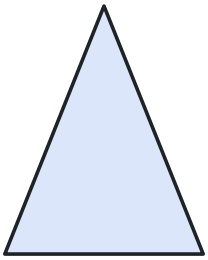
   A. more than you can count

   B. 1

   C. 2

   D. 4

6. How many lines of symmetry does this triangle have?



7. What is a line of symmetry?

   A. The longest side of a figure.

   B. A line that goes around a figure.

   C. Any line that crosses a figure.

   D. A line that folds a figure into two matching parts.

8. How many lines of symmetry does a regular hexagon have?

9. Which capital letter has no line of symmetry?

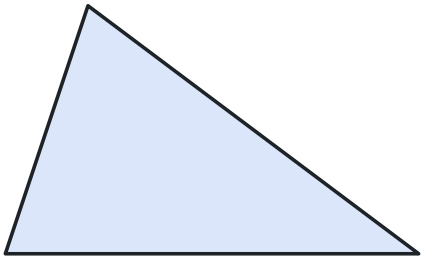
   A. M

   B. H

   C. A

   D. F

10. How many lines of symmetry does this triangle have?



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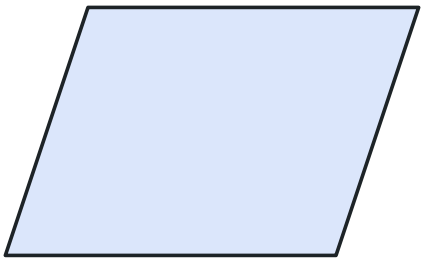
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On Level

Grade-level practice.

1. How many lines of symmetry does this parallelogram have?



2. How many lines of symmetry does a rhombus that is not a square have?

3. How many lines of symmetry does a regular pentagon have?

4. Which capital letter has exactly 2 lines of symmetry?

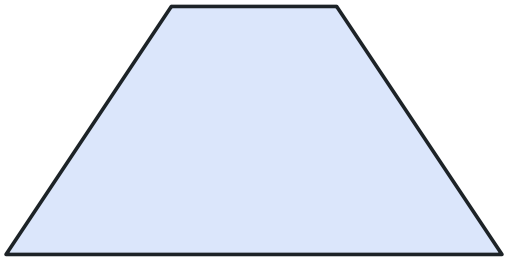
   A. M

   B. H

   C. T

   D. A

5. How many lines of symmetry does this shape have?



6. How many lines of symmetry does the capital letter X have, if its two strokes are the same length and cross at right angles in the middle?

7. Is a diagonal of a rectangle that is not a square a line of symmetry?

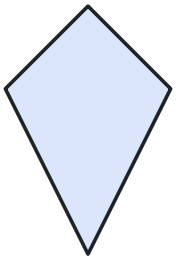
   A. Yes, if the rectangle is long.

   B. Yes, always.

   C. No. When you fold along it, the halves don't match.

   D. Only the longer diagonal is.

8. How many lines of symmetry does this kite have?



9. How many lines of symmetry does a regular octagon have?

10. Which shape has exactly 1 line of symmetry?

    A. an isosceles triangle that is not equilateral

    B. a square

    C. a circle

    D. an equilateral triangle

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Challenge

Multi-step and word problems that stretch it.

1. A rectangle has corners at (1, 1), (5, 1), (5, 3) and (1, 3). How many lines of symmetry does it have?

2. What happens when you fold a square along a diagonal?

   A. The square tears.

   B. You get a rectangle.

   C. The halves don't match.

   D. The two halves match.

3. The word MOM is written in capital letters. How many lines of symmetry does the whole word have?

4. Add the number of lines of symmetry of an equilateral triangle and of a square. What is the total?

5. Ella says every four-sided shape has at least one line of symmetry. Which is true?

   A. She is wrong. A parallelogram with no right angles and unequal sides has none.

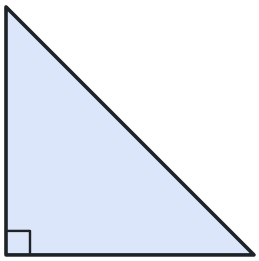
   B. She is right.

   C. She is wrong. Squares have none.

   D. She is right, because 4 is even.

6. How many lines of symmetry does a regular polygon with 10 sides have?

7. How many lines of symmetry does this triangle have?



8. Which digit, written in block style, has a horizontal line of symmetry?

   A. 4

   B. 2

   C. 3

   D. 7

9. A rectangle is 4 units long and 4 units wide. How many lines of symmetry does it have?

10. How many more lines of symmetry does a regular hexagon have than an equilateral triangle?