

Reflection Symmetry / Line Symmetry

A. Choose the correct answer:

1. A shape is said to have line symmetry if

- a) It can be folded in half unevenly
- b) Both halves match exactly when folded along a line
- c) It has more than two sides
- d) It has no equal parts

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

- a) 1
- b) 2
- c) 4
- d) 3

3. Which of the following letters has line symmetry?

- a) A
- b) R
- c) F
- d) G

4. The line that divides a figure into two equal halves is called

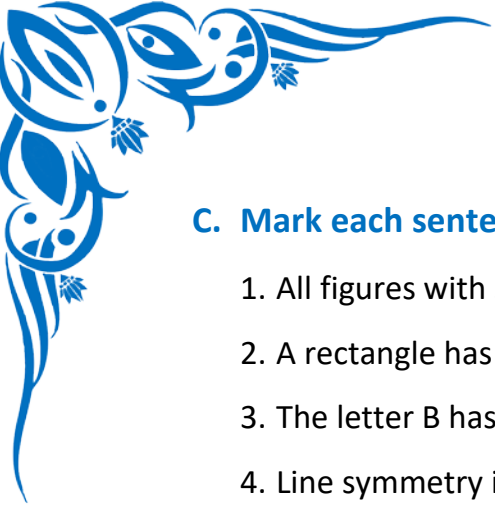
- a) Border
- b) Edge
- c) Line of symmetry
- d) Line of length

5. Which shape has only one line of symmetry?

- a) Rectangle
- b) Circle
- c) Equilateral triangle
- d) Isosceles triangle

B. Write the Missing Terms to Complete the Sentences:

1. A figure has line symmetry if it can be folded into two _____ parts.
2. A circle has _____ number of lines of symmetry.
3. The vertical line that divides a figure into two equal parts is called the _____ line.
4. An equilateral triangle has _____ lines of symmetry.
5. The letter M has _____ line of symmetry.



C. Mark each sentence with a True (✓) or False (X):

1. All figures with symmetry have equal parts _____
2. A rectangle has two lines of symmetry _____
3. The letter B has no line of symmetry _____
4. Line symmetry is also called reflection symmetry _____
5. A triangle can never have line symmetry _____

D. Figure out the answers to these questions:

1. Draw the lines of symmetry in a square and a rectangle.
2. Identify and write any three objects from your surroundings that show line symmetry.
3. Draw a heart shape and check if it has line symmetry.
4. Fold a paper square in different ways and count its lines of symmetry.

E. Challenge yourself with these questions:

1. Draw the line of symmetry for the letter A.
2. Cut a paper circle and fold it in different ways to find its lines of symmetry.
3. Can a figure have more than one line of symmetry? Give an example.
4. Which alphabets in the English language have vertical symmetry?
5. Draw a shape with no line of symmetry and name it.