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 (✗):

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.