Grade 4 Math Worksheet: **Symmetry & Reflections** : Difficulty Level - Easy

Name: _____

Date: _____

Instructions: Complete each section carefully and have fun exploring symmetry!

Part 1: Drawing Lines of Symmetry

1. **Add the Line of Symmetry**
   Draw a line of symmetry on each of the shapes below:
   ○ Heart
   ○ Diamond
   ○ Kite

2. **Complete the Shapes**
   The left half of each shape is drawn. Complete the right side to make each shape symmetrical:
   ○ Half of a butterfly
   ○ Half of a sun with rays
   ○ Half of a star

Part 2: True or False

3. **Identify the Statements**
   Write **True** or **False** next to each statement:
   ○ A rectangle has two lines of symmetry. _____
   ○ A triangle can only have one line of symmetry. _____
   ○ A circle has an infinite number of lines of symmetry. _____
   ○ The letter "S" has a line of symmetry. _____

Part 3: Matching Game
4.   **Match the Shape to Its Reflection**
Draw a line to match each shape on the left to its correct reflection on the right:

   Shape   **Reflection**

Triangle   A. Mirror image of triangle

Circle   B. Mirror image of circle

Rectangle   C. Mirror image of rectangle

Heart   D. Mirror image of heart

Part 4: Reflection Practice

5. **Draw Reflections on Grid Paper**
    Below are shapes on grid paper. Draw their mirror reflections across the dotted line:
    ![Simple shapes on one side of a vertical dotted line]
6. **Find the Reflection**
    Circle the shape that is the correct reflection of the given image:
    ![An image of a shape with three possible reflections, one correct]

Part 5: Creative Symmetry

7. **Design Your Own Symmetrical Drawing**
    In the space below, draw your own design that is symmetrical. Use a vertical line to help you:
    [Box with a vertical line in the center]
8. **Symmetry in Nature**
    List 3 things in nature that are symmetrical:
    - _____
    - _____
    - _____

Challenge:
Fold a piece of paper in half, draw half a shape along the fold, cut it out, and open it to see if it's symmetrical!

—- BE CHAMPION—-