Worksheet 1  Identifying Lines of Symmetry

1. Identify congruent figures. Shade sets of congruent figures. Use a different color for each set.

2. Identify symmetric shapes and objects. Outline the symmetric shapes and objects in green.
Is the dotted line in each figure a line of symmetry? Put a check (√) next to the figure if the dotted line is a line of symmetry. Put an X if the dotted line is not a line of symmetry.

Example

3.  
4.  
5.  
6.  
7.  
8.  

3.  
4.  
5.  
6.  
7.  
8.  

Chapter 13 Lesson 13.1
9. Are these letters of the alphabet symmetric? Put a check (✓) next to the letters that are symmetric.

A
B
C
D
E
F
G
H
J
K
L
M
Draw the line(s) of symmetry in each figure.

Example

A symmetric figure can have more than one line of symmetry.

10. 

11. 

12. 

13. 

Worksheet 2  Rotational Symmetry

The figures below are rotated about a point. Shade the figure that shows the correct position after it has been rotated.

Example

Quarter-turn, 90° ↘

1. Three-quarter turn, 270° ↘

2. Half-turn, 180° ↘

3. Three-quarter turn, 270° ↘
Do the figures below have rotational symmetry? Fill in the blanks with Yes or No.

Example

```
.   Yes
```

4. 

5. 

6. 

7. 

8. 

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Chapter 13 Lesson 13.2
Worksheet 3   Making Symmetric Shapes and Patterns

Are these letters of the alphabet symmetric? Put a check (√) next to the letters that are symmetric. Put an × next to the letters that are not symmetric.

1. N  ______  2. O  ______  
3. P  ______  4. Q  ______  
5. R  ______  6. S  ______  
7. T  ______  8. U  ______  
9. V  ______  10. W  ______  
11. X  ______  12. Y  ______  
13. Z  ______  

Draw the line(s) of symmetry in each figure.

14.  
15.  
The dotted line is a line of symmetry. Shade the correct squares so that the pattern of shaded squares has line symmetry.

**Example**

The figure is a **symmetric figure** as it has line symmetry.

16.

17.
Name: ____________________________  Date: _____________

18.

19.

20.
Look at each figure. Does the figure have rotational symmetry? Fill in the blanks with has or does not have.

Example

The figure **does not have** rotational symmetry.

21.

The figure ___________ rotational symmetry.
22. The figure ______ rotational symmetry.

23. The figure ______ rotational symmetry.
24. The figure _______ rotational symmetry.

25. The figure _______ rotational symmetry.