CHAPTER 5
Shapes and Patterns

Worksheet 1  Exploring Plane Shapes

Match.

1.  

- triangle

- square

- circle

- rectangle
Name: _______________________________ Date: ____________

Color the shapes.

Example

squares
rectangles
circles
triangles
squares

2. circles

☐ ☐ ☐ ☐ ☐ ☐
3. triangles

4. rectangles
Trace the sides of the shapes.
Then count the number of sides.

5.  

This is a side of a triangle.
A triangle has 3 sides.

6.  

7.

Circle the corners of the shapes.
Then count the number of corners.

8.  

This is a corner of a triangle.
A corner is where two sides meet.
A triangle has 3 corners.

9.  

10.  

Chapter 5  Lesson 1
Color the big shapes.

11. 

Color the small shapes.

12. 

Fill in the table.

13. Draw each shape in different sizes.

<table>
<thead>
<tr>
<th>Shape</th>
<th>Big</th>
<th>Small</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Color the shapes.

14. shapes with only 3 sides

15. shapes with only 4 sides
Color the shapes.

Example

Which shape belongs to Set A?

Set A

16. Which shapes belong to Set B?

Set B

17. Which shapes do not belong to Set C?

Set C
Sort the shapes by size.
Color the shapes that are alike.

18.

Sort the shapes by shape.
Color the shapes that are alike.

19.

Sort the shapes by the number of corners.
Color the shape that is different.

20.
Worksheet 2  Exploring Plane Shapes

Read.
Then answer the questions.

1. Emily has a square piece of paper. She folds it and unfolds it. Then she draws a line along the fold. Now she has two new shapes, A and B.

Write yes or no.

a. Are Shape A and Shape B the same shape? ________

b. Are Shape A and Shape B the same size? ________

Count.

c. How many sides are there?

Shape A ________  Shape B ________

d. How many corners are there?

Shape A ________  Shape B ________
Write yes or no.

e. Are Shape A and Shape B alike? _______

Emily then cuts out Shape A and Shape B.

f. Can Shape A fit exactly over Shape B? _______

Are the shapes the same shape and size?
Write yes or no.

2. Shapes C and D _______

3. Shapes E and F _______
Worksheet 3  Exploring Solid Shapes

Match.

1. sphere
   - cylinder
   - cube
   - pyramid
   - cone
   - rectangular prism
2. Which shapes are not spheres?

3. Which shapes are not cubes?
Answer the questions. Circle the shapes.

4. Which shapes can you stack?

5. Which shapes can you slide?

6. Which shapes can you roll?
Name: ___________________________  Date: ________________

Answer the questions.
Circle the shapes.

7. Which shape can you stack, slide, and roll?

8. Which shape can you only roll?
Worksheet 4  Making Pictures and Models with Shapes

Trace the dots.
Name the shapes in the pictures.
Circle the correct names.

Example

circle  rectangle  triangle  square

1. circle  rectangle  triangle  square

2. circle  rectangle  triangle  square

3. circle  rectangle  triangle  square

4. circle  rectangle  triangle  square
Draw a picture with these shapes.

5. 
- triangle
- rectangle
- circle

Count the shapes in the picture. Write the number.

6. 
- square
- triangle
- circle
- rectangle
Worksheet 5  Making Pictures and Models with Shapes

Count the solid shapes in the picture. Write the number.

1.

<table>
<thead>
<tr>
<th>Shape</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>sphere</td>
<td></td>
</tr>
<tr>
<td>cylinder</td>
<td></td>
</tr>
<tr>
<td>rectangular prism</td>
<td></td>
</tr>
<tr>
<td>cube</td>
<td></td>
</tr>
</tbody>
</table>
Count the solid shapes in the picture. Write the number.

2.

<table>
<thead>
<tr>
<th>Shape</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>sphere</td>
<td></td>
</tr>
<tr>
<td>cylinder</td>
<td></td>
</tr>
<tr>
<td>rectangular prism</td>
<td></td>
</tr>
<tr>
<td>pyramid</td>
<td></td>
</tr>
<tr>
<td>cone</td>
<td></td>
</tr>
</tbody>
</table>

Name: ___________________________ Date: __________
Worksheet 6  Seeing Shapes Around Us

Look at the pictures.
Circle the correct things.

1. the thing that has the shape of a rectangle

2. the thing that has the shape of a square
Look at the pictures.
What shapes do you see?
Circle the answers.

3. 
- triangle
- rectangle
- sphere
- pyramid
- cylinder
- cone

4. 
- circle
- square
- triangle
- cone
- cylinder
- rectangular prism
Worksheet 7  Making Patterns with Plane Shapes

Complete the patterns.
Circle the missing shape.

Example

This repeating pattern changes in shape.

triangle, square, triangle, square, triangle, square…

1.  

2.  

3.  

Complete the patterns.
Circle the missing shape.

4. 

5. 

6. 

7. 

Worksheet 8  Making Patterns with Solid Shapes

Complete the patterns. Circle the missing shape.

1. 

2. 

3. 

4. 

5. 

Name: ___________________________  Date: ____________
6.

7.

8.