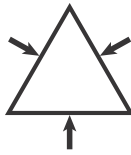


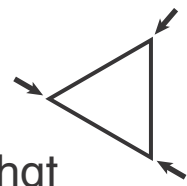
**AZ Vocabulary**

1. Some **2-D shapes** have straight **sides**.



Circle the shapes that have straight sides.

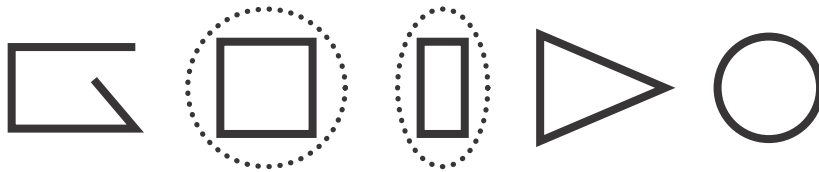
Some 2-D shapes have **vertices**.



Circle the shapes that have vertices.



2. Circle the closed shapes that have 4 sides.



3. Circle the closed shapes that have fewer than 4 vertices.



**On the Back!**

4. Draw a closed shape that has more than 4 vertices.

**AZ Vocabulary**

1. All of these shapes are **triangles**.

Circle the words that are true for all triangles.

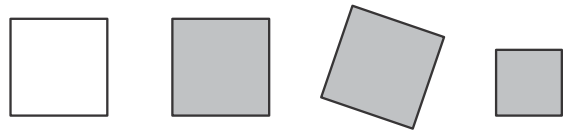


All triangles:

- are gray.
- have 3 straight sides.
- have 3 vertices.
- have a flat bottom.

2. All of these shapes are squares.

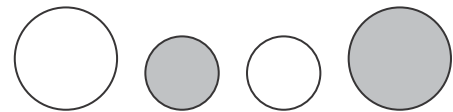
Circle the words that are true for all squares.



All squares:

- are gray.
- have 4 straight sides.
- are big.
- have 4 vertices.

3. All of these shapes are circles. Circle the words that are true for all circles.



All circles:

- have 0 straight sides.
- have 0 vertices.
- are big.
- are white.

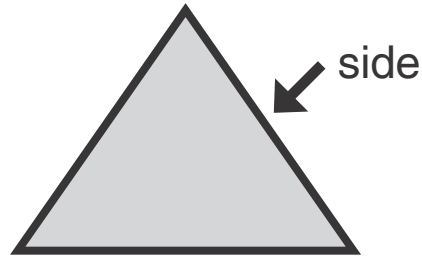
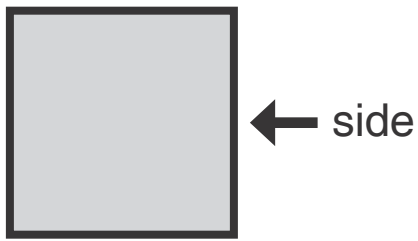
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**On the Back!**

4. Draw two rectangles. Tell why each figure is a rectangle.

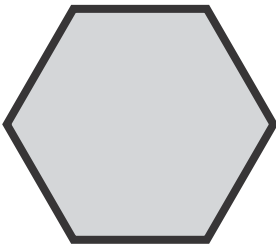
**AZ Vocabulary**

1. **Squares** and **triangles** are shapes with **sides**.



A square has 4 equal sides. A triangle has \_\_\_\_ sides.

This is a **hexagon**. Count the sides.



A hexagon has \_\_\_\_ sides.

2. A rectangle has 4 sides. Make a rectangle using construction paper. Glue the rectangle in the box.



---

**On the Back!**

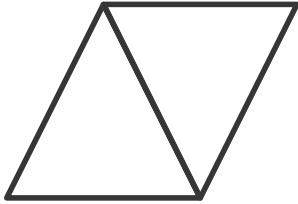
3. Make these shapes: circle, triangle, square.

Use any materials you can find. Glue or tape them on the back of the sheet. Label each shape.

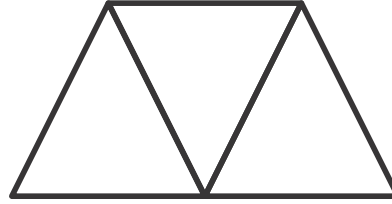
**AZ Vocabulary**

1. You can use **2-D shapes** to make new 2-D shapes.

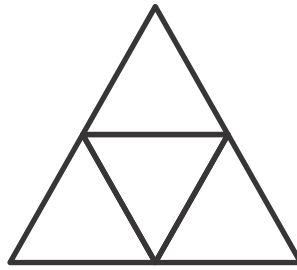
How many  are there in each shape?



\_\_\_\_\_

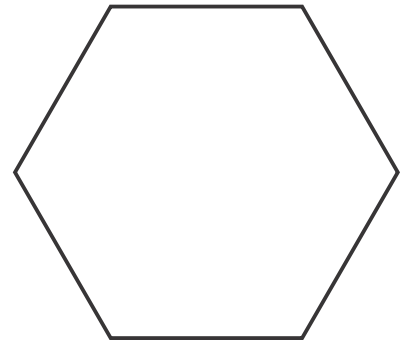


\_\_\_\_\_



\_\_\_\_\_

2. Use your pattern blocks. Write the number of each shape you can use to make the hexagon.



6



\_\_\_\_\_



\_\_\_\_\_

**On the Back!**

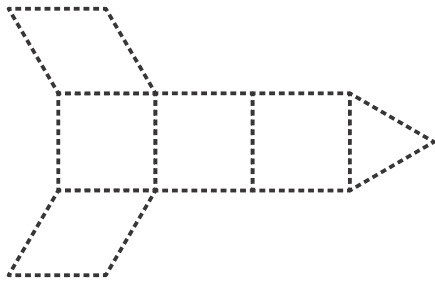
3. Use pattern blocks. Trace shapes to make a new shape.  
Which shapes did you use?







**AZ Vocabulary**

1. You can use pattern blocks to make a picture.

Make a rocket.

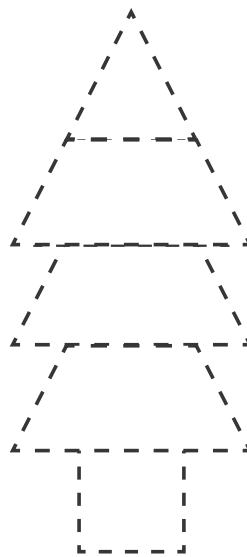
Write how many of each **2-D shape** you use.









- \_\_\_\_\_ 
- \_\_\_\_\_ 
- \_\_\_\_\_ 
- \_\_\_\_\_ 
- \_\_\_\_\_  

2. Use pattern blocks to make a tree.

Write how many of each shape you use.



- \_\_\_\_\_  
- \_\_\_\_\_ 
- \_\_\_\_\_ 
- \_\_\_\_\_ 
- \_\_\_\_\_ 

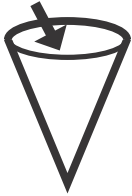
**On the Back!**

3. Use pattern blocks to make a picture.

Tell how many of each shape you use.

**AZ Vocabulary**

1. These **3-D shapes** have **flat surfaces**.

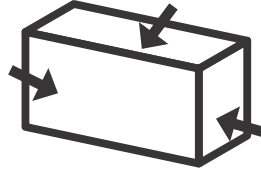


cone

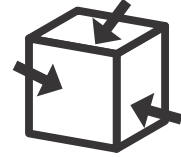


cylinder

These 3-D shapes have **faces**.



rectangular prism



cube

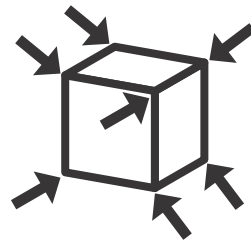
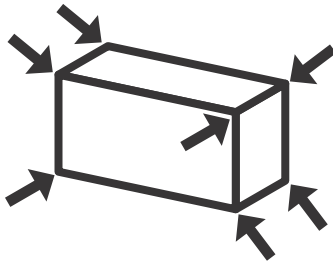
How many flat surfaces does each shape have?

cone: \_\_\_\_\_ cylinder: \_\_\_\_\_

How many faces does each shape have?

rectangular prism: \_\_\_\_\_ cube: \_\_\_\_\_

2. How many vertices does each 3-D shape have?



rectangular prism: 8 cube: \_\_\_\_\_ cone: \_\_\_\_\_

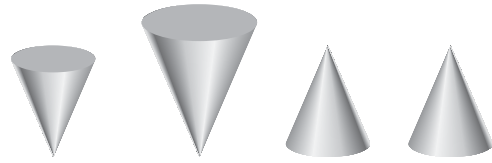
**On the Back!**

3. Find an object shaped like a rectangular prism. Count how many faces and vertices it has. Record them on the back of this sheet.

**AZ Vocabulary**

1. All of these shapes are **cones**.

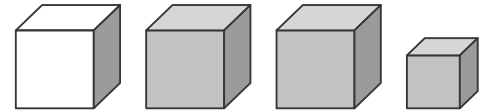
Circle the words that are true for all cones.



All cones:

- are gray.
- have 1 vertex.
- have 1 flat surface.
- have 2 faces.

2. All of these shapes are cubes. Circle the words that are true for all cubes.



All cubes:

- are gray.
- ∴ have 6 faces. ∴
- are big.
- ∴ have 8 vertices. ∴

3. All of these shapes are spheres. Circle the words that are true for all spheres.



All spheres:

- have 0 flat surfaces.
- have 0 vertices.
- are big.
- are white.

**On the Back!**

4. Find some objects shaped like cylinders at home or at school. Explain why each object is shaped like a cylinder.

**AZ Vocabulary**

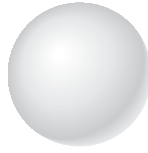
1. You can combine **3-D shapes** to make new shapes.



rectangular prism



cylinder



sphere

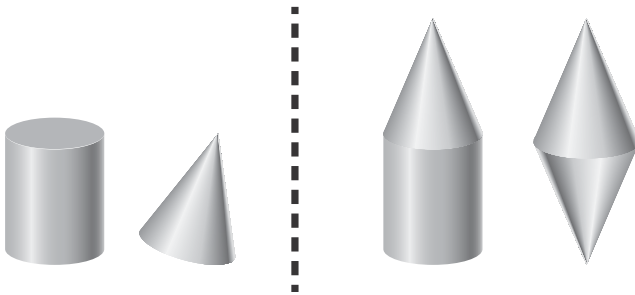


cone



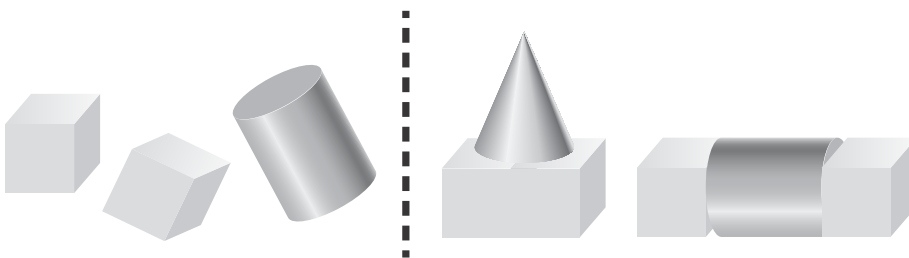
cube

Circle a new shape you can make when combining the cylinder and the cone.



2. Circle a new shape you can make when combining the shapes.

The given shapes are 2 cubes and a cylinder.



**On the Back!**

3. What shape can you make when you combine two cubes?  
Draw a picture to help you explain your answer.

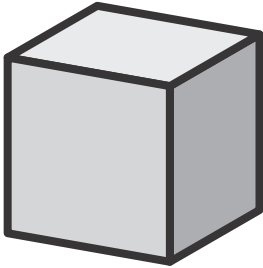


**AZ Vocabulary**

1. This is a **cube**.

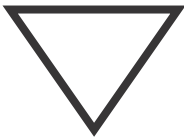
It is a special **rectangular prism**.

What is true of all rectangular prisms?



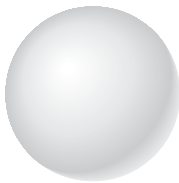
All rectangular prisms have \_\_\_\_\_ edges.

2. This is a triangle. What is true of all triangles?



All triangles have 3 straight sides.

3. This is a sphere. What is true of all spheres?



All spheres have \_\_\_\_\_ vertices.

4. This is a cylinder. What is true of all cylinders?



All cylinders have \_\_\_\_\_ flat surfaces.

**On the Back!**

5. Draw an object that is shaped like a cone.

Write 2 things that are true about all cones.