

Name .....

# My Homework

## Lesson 1

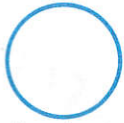
## Two-Dimensional Shapes

### Homework Helper

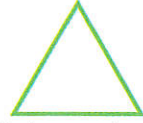


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A two-dimensional shape is a shape with only length and width.



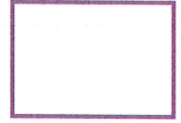
circle



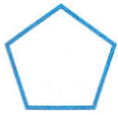
triangle



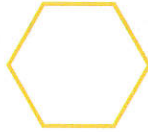
square



rectangle



pentagon



hexagon



parallelogram

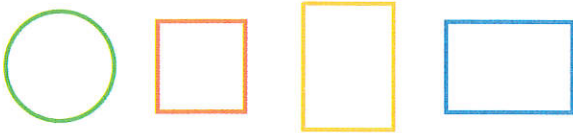


trapezoid

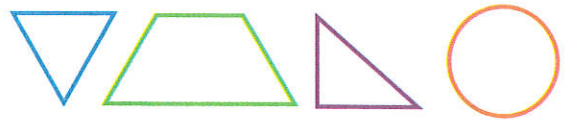
## Practice

Circle the shapes that match the name.

1. rectangle



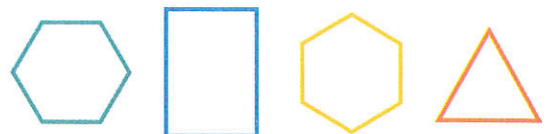
2. triangle




3. trapezoid

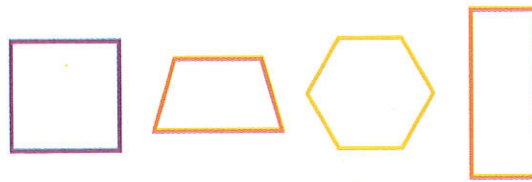


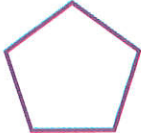
4. hexagon

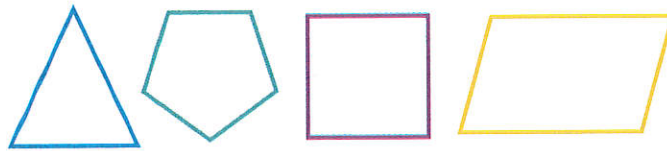


Write the name of the shape. Circle the shape that matches.

5.   
\_\_\_\_\_



6.   
\_\_\_\_\_



7. Jack cut out a shape to glue onto a picture. The shape looked like an ice cream cone. What shape did he cut out?

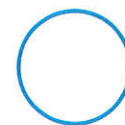
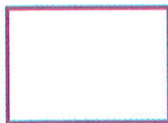
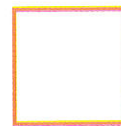
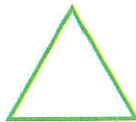
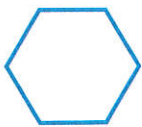
\_\_\_\_\_



## Vocabulary Check



8. Circle the **hexagons**.



**Math at Home** Point to two-dimensional shapes around your house (triangles, squares, rectangles, hexagons, and pentagons) and have your child identify each shape.

# My Homework

## Lesson 2

## Sides and Angles

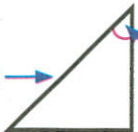
### Homework Helper



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A two-dimensional shape can be described by its sides and angles.

triangle



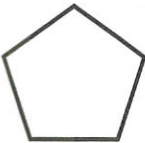
3 sides  
3 angles

quadrilateral




4 sides  
4 angles

pentagon



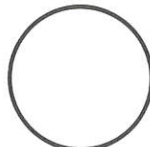
5 sides  
5 angles

hexagon



6 sides  
6 angles

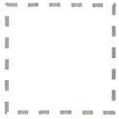
circle

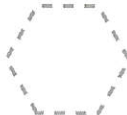



0 sides  
0 angles

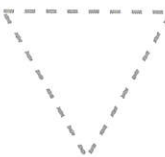
## Practice

Trace each shape. Write how many sides and angles.

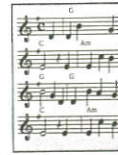
1.  \_\_\_\_\_ sides  
\_\_\_\_\_ angles

2.  \_\_\_\_\_ sides  
\_\_\_\_\_ angles

3.  \_\_\_\_\_ sides  
\_\_\_\_\_ angles

4.  \_\_\_\_\_ sides  
\_\_\_\_\_ angles

5. Circle the object that has 8 sides and 8 angles.



6. Jason drew a shape that has 6 sides. What shape did he draw?

\_\_\_\_\_

7. Carla drew a triangle and a square. Janice drew a shape with 6 sides and 6 angles. Who drew more sides and angles?

\_\_\_\_\_



## Vocabulary Check



Connect the name of each shape to its number of sides or angles.

- |                         |                      |
|-------------------------|----------------------|
| 8. <b>hexagon</b>       | 4 sides and 4 angles |
| 9. <b>quadrilateral</b> | 5 sides and 5 angles |
| 10. <b>triangle</b>     | 6 sides and 6 angles |
| 11. <b>pentagon</b>     | 3 sides and 3 angles |



**Math at Home** While driving or walking, look at road signs together.

Ask your child to name and describe the shapes of the signs he or she sees.

# My Homework

## Lesson 3

### Problem Solving: Draw a Diagram

Jacob was looking for shapes in the stars. He found one with 4 equal length sides and 4 angles.

What shape did Jacob see in the stars?



**1 Understand** Underline what you know.  
Circle what you need to find.

**2 Plan** How will I solve the problem?

**3 Solve** Draw a diagram.



Jacob saw a square.

**4 Check** Is my answer reasonable? Explain.

**Underline what you know. Circle what you need to find. Draw a diagram to solve.**

1. Maggie drew a house. She drew a square for the bottom. She drew a triangle on top of the square for the roof. Trace the outside of the house. What shape is Maggie's house? Draw it.



---

2. Billy saw a sign while walking through the park. The sign had no sides and no angles. What shape is the sign?

---

3. Landon painted a shape that had 4 sides. The shape had 4 angles. What kind of shape did he paint?

---



**Math at Home** Describe a shape to your child. Have him or her draw the shape you described and identify the shape.

# My Homework

## Lesson 4

### Three-Dimensional Shapes

#### Homework Helper



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A three-dimensional shape has length, width, and height.



sphere



cube



pyramid



cone



cylinder

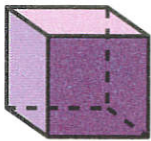


rectangular prism

## Practice

Write the name of the shape. Circle the objects that are the same shape.

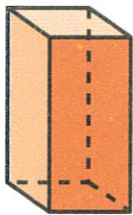
1.



\_\_\_\_\_



2.



\_\_\_\_\_



3.



\_\_\_\_\_



Write the name of each shape. Circle the objects that are the same shape.

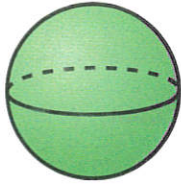
4.



\_\_\_\_\_



5.



\_\_\_\_\_



6. I have 6 surfaces. 2 of my surfaces are smaller than the others. I can stand up tall. What shape am I?

\_\_\_\_\_

## Vocabulary Check



Draw lines to match.

7. **cylinder**



8. **rectangular prism**



9. **cube**



10. **cone**



**Math at Home** Have your child identify items in your home that match the shapes he or she learned about in this lesson.



# My Homework

## Lesson 5

### Faces, Edges, and Vertices

#### Homework Helper



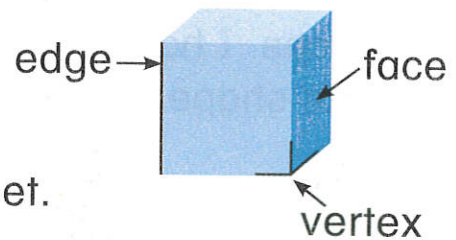
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Three-dimensional shapes are described by the number of faces, edges, and vertices.

A face is a flat surface.

An edge is where 2 faces meet.

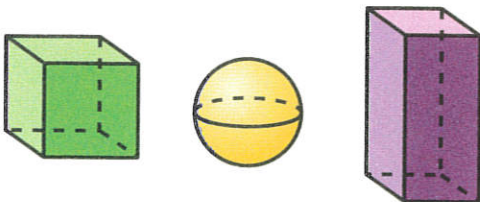
A vertex is where 3 or more faces meet.



## Practice

Circle the shapes or objects that matches the description.

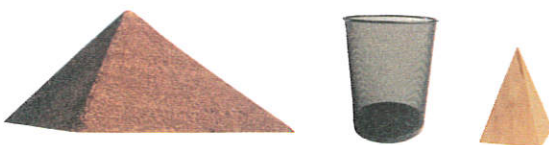
1. 6 faces, 12 edges, 8 vertices



2. 0 faces, 0 edges, 0 vertices



3. 5 faces, 8 edges, 5 vertices



4. 6 faces, 12 edges, 8 vertices



## Circle the objects that match the descriptions.

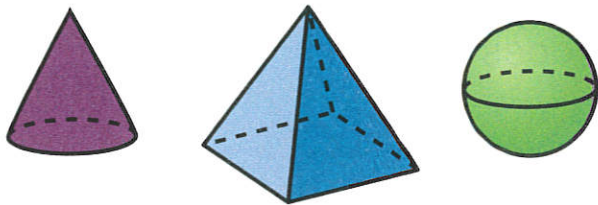
5. 6 faces, 12 edges,  
8 vertices



6. 0 faces, 0 edges,  
0 vertices



7. I am a three-dimensional shape. I have  
5 faces. I have 8 edges and 5 vertices.  
What shape am I?



## Vocabulary Check



Complete each sentence.

**face**

**edge**

**vertex**

8. A \_\_\_\_\_ is a flat surface.
9. A \_\_\_\_\_ is where 3 or more faces meet.
10. An \_\_\_\_\_ is where 2 faces meet.



**Math at Home** Have your child identify real-life objects in your home that have the same shape as one of the shapes learned in this lesson.

Name .....

# My Homework

## Lesson 6

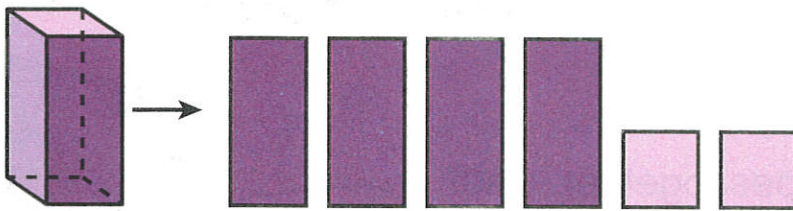
### Relate Shapes and Solids

### Homework Helper



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The faces of three-dimensional shapes are two-dimensional shapes.

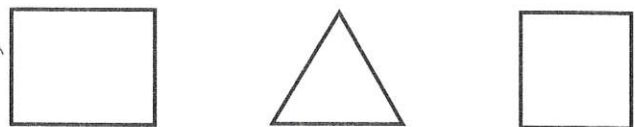
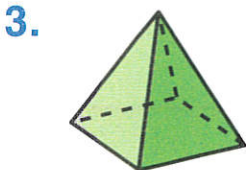
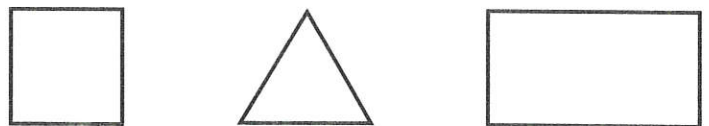
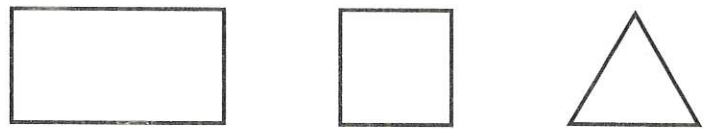
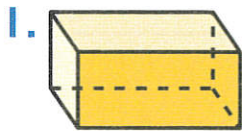


### Helpful Hint

A rectangular prism has 4 rectangles and 2 squares as faces.

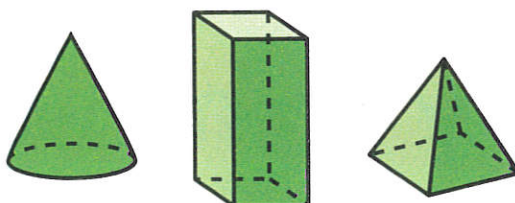
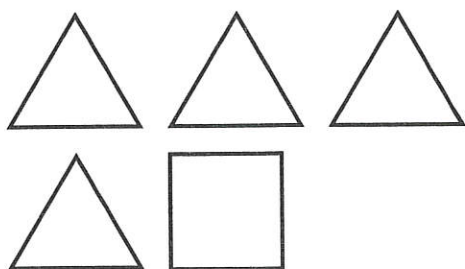
## Practice

Circle the faces that make the shape.

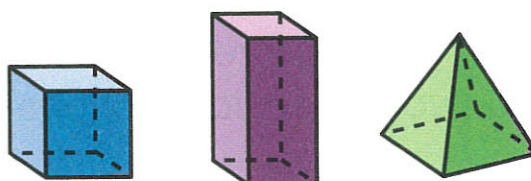
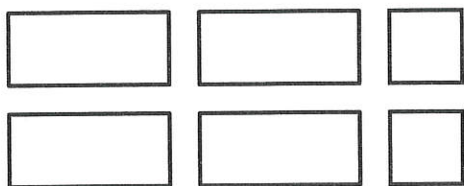


Circle the shape made by the faces.

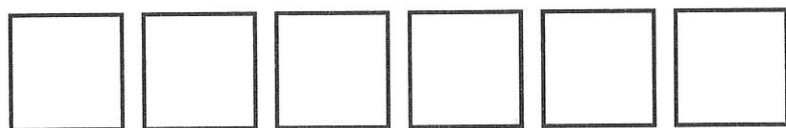
4.



5.

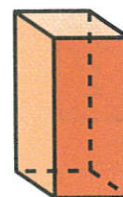


6. If you put these shapes together, what three-dimensional shape could you make? Write the name of the shape.



## Test Practice

7. Identify the shape that does not belong.



**Math at Home** Ask your child to find an object at home that he or she could use to trace a rectangle on a piece of paper. Challenge your child to see if he or she can find something to trace for a circle.

Name \_\_\_\_\_

# My Homework

## Lesson 7

### Halves, Thirds, and Fourths

#### Homework Helper

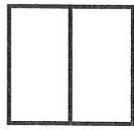


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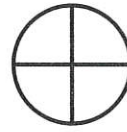
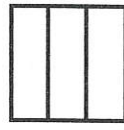
You can partition, or separate, shapes into equal parts.



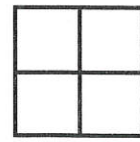
halves



thirds



fourths



## Practice

Describe the equal parts. Write *two halves*, *three thirds*, or *four fourths*.

1.



\_\_\_\_\_

2.



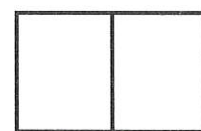
\_\_\_\_\_

3.




\_\_\_\_\_


4.




\_\_\_\_\_

Draw lines to partition each shape.

5.   
3 equal parts

6.   
2 equal parts

7.   
4 equal parts

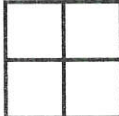
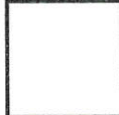


8. Nora and Brooke are sharing a sandwich. They each have an equal part. How much of the sandwich does each girl have?

\_\_\_\_\_ sandwich

Partition the shape in a different way.  
Show the same number of equal shares.

9.  


10.  


## Vocabulary Check



Color each shape as described.

11.   
**one half** green

12.   
**one fourth** blue

13.   
**one third** red



**Math at Home** Cut your child's food into either halves, thirds, or fourths. Ask him or her to identify how many equal parts you have created.

# My Homework

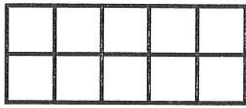
Lesson 8

Area

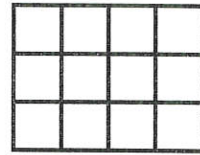
## Homework Helper

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A rectangle can be partitioned into squares to describe its size.



This rectangle is partitioned into 10 squares.



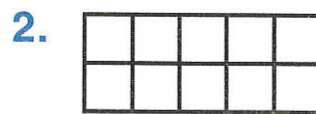
This rectangle is partitioned into 12 squares.

## Practice

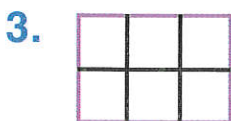
Count the squares. Write how many squares make each rectangle.



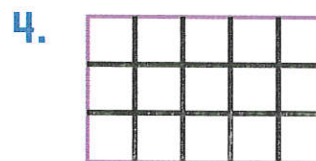
\_\_\_\_\_ squares



\_\_\_\_\_ squares



\_\_\_\_\_ squares



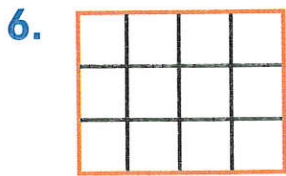
\_\_\_\_\_ squares

Count the squares. Write how many squares make each rectangle.

Form a straight line and no pushing!



\_\_\_\_\_ squares



\_\_\_\_\_ squares



\_\_\_\_\_ squares

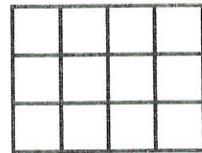
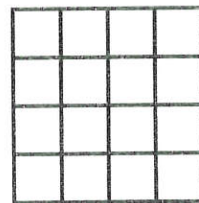
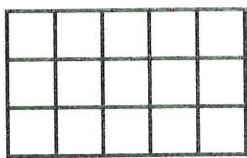
Draw a picture to solve.

8. Jan is cutting a rectangular pan of brownies. She cut them in half and then cut each of those halves in half again. She did the same thing going the other direction. How many brownies does she have?

\_\_\_\_\_ brownies

## Test Practice

9. Choose the rectangle below that is partitioned using the greatest number of squares.



**Math at Home** Find an opportunity to have your child help you determine how to cut something you are going to serve such as a casserole, brownies, cake, or rice treats. Together determine how many equal pieces you want and how to cut it.