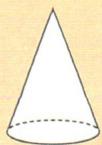
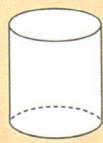


# Name the Shape

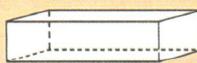
Read the characteristics of a shape. Write each shape's name on the correct line.



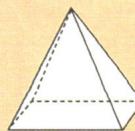
cone



cylinder



rectangular  
prism



pyramid



sphere

## Skills:

Identifying  
Three-  
Dimensional  
Shapes

1. A 3-dimensional figure with two parallel and congruent circles as bases. \_\_\_\_\_
2. A 3-dimensional figure with a circular base and one vertex. \_\_\_\_\_
3. A 3-dimensional figure with two congruent parallel bases that are polygons. \_\_\_\_\_
4. A 3-dimensional figure with a curved surface where all points are the same distance from a point called the center. \_\_\_\_\_
5. A 3-dimensional figure whose base is a polygon and whose other faces are triangles that share a common vertex. \_\_\_\_\_

## Remember:

- Congruent shapes are exactly the same shape and size.
- Parallel lines are the same distance apart at all times.
- Polygons are 2-dimensional (flat) shapes.

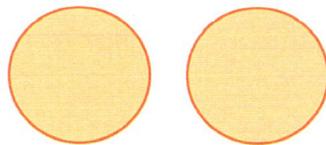
# Lines, Angles, shapes

## Skills:

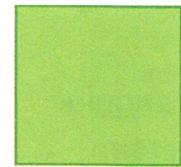
Identifying  
Similar and  
Congruent  
Figures

# Similar or Congruent?

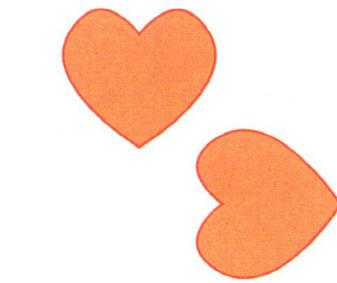
Congruent figures are the same size and shape. Similar figures are the same shape, but different sizes. Write similar or congruent to describe each pair of shapes.



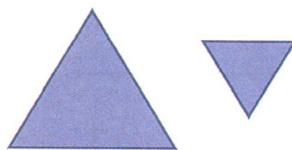
1. \_\_\_\_\_



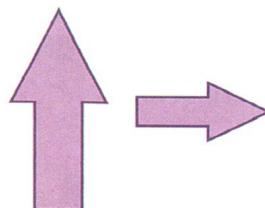
2. \_\_\_\_\_



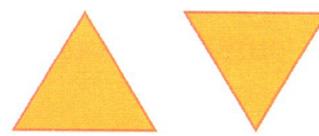
3. \_\_\_\_\_



4. \_\_\_\_\_

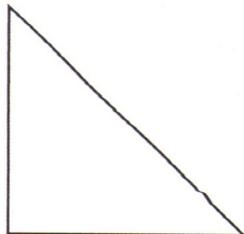


5. \_\_\_\_\_

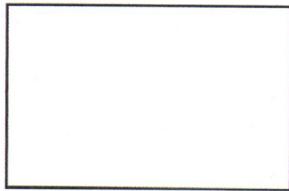


6. \_\_\_\_\_

Draw a similar shape.



Draw a congruent shape.

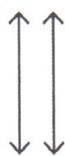




Fill in the circle next to the correct answer.

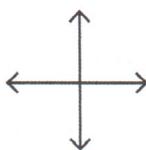
1. What describes these lines?

- (A) perpendicular
- (B) ray
- (C) point
- (D) parallel



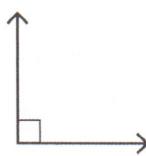
2. What describes these lines?

- (A) perpendicular
- (B) an obtuse angle
- (C) point
- (D) parallel



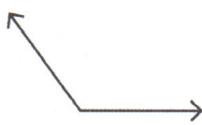
3. What type of angle is this?

- (A) an acute angle
- (B) ray
- (C) a right angle
- (D) a straight angle



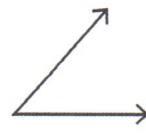
4. What type of angle is this?

- (A) an acute angle
- (B) an obtuse angle
- (C) a right angle
- (D) a straight angle



5. What type of angle is this?

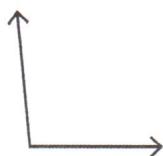
- (A) an acute angle
- (B) an obtuse angle
- (C) a right angle
- (D) a straight angle



Use a protractor to measure the angles in numbers 6 and 7.

6. What is the measure of this angle?

- (A)  $80^\circ$
- (B)  $85^\circ$
- (C)  $95^\circ$
- (D)  $145^\circ$



7. What is the measure of this angle?

- (A)  $150^\circ$
- (B)  $140^\circ$
- (C)  $95^\circ$
- (D)  $40^\circ$



8. Draw an angle that measures  $45^\circ$ .

Use this figure for numbers 9 through 11.



9. How many faces on a cube?

- (A) 6
- (B) 8
- (C) 10
- (D) 12

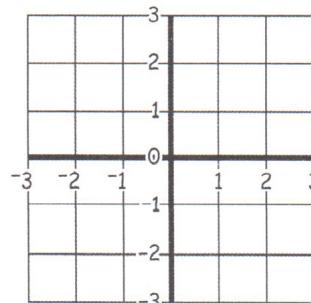
10. How many edges on a cube?

- (A) 6
- (B) 8
- (C) 10
- (D) 12

11. How many vertices on a cube?

- (A) 6
- (B) 8
- (C) 10
- (D) 12

12. Plot point A at  $(-2, 1)$  and point B at  $(0, -2)$  on this graph.



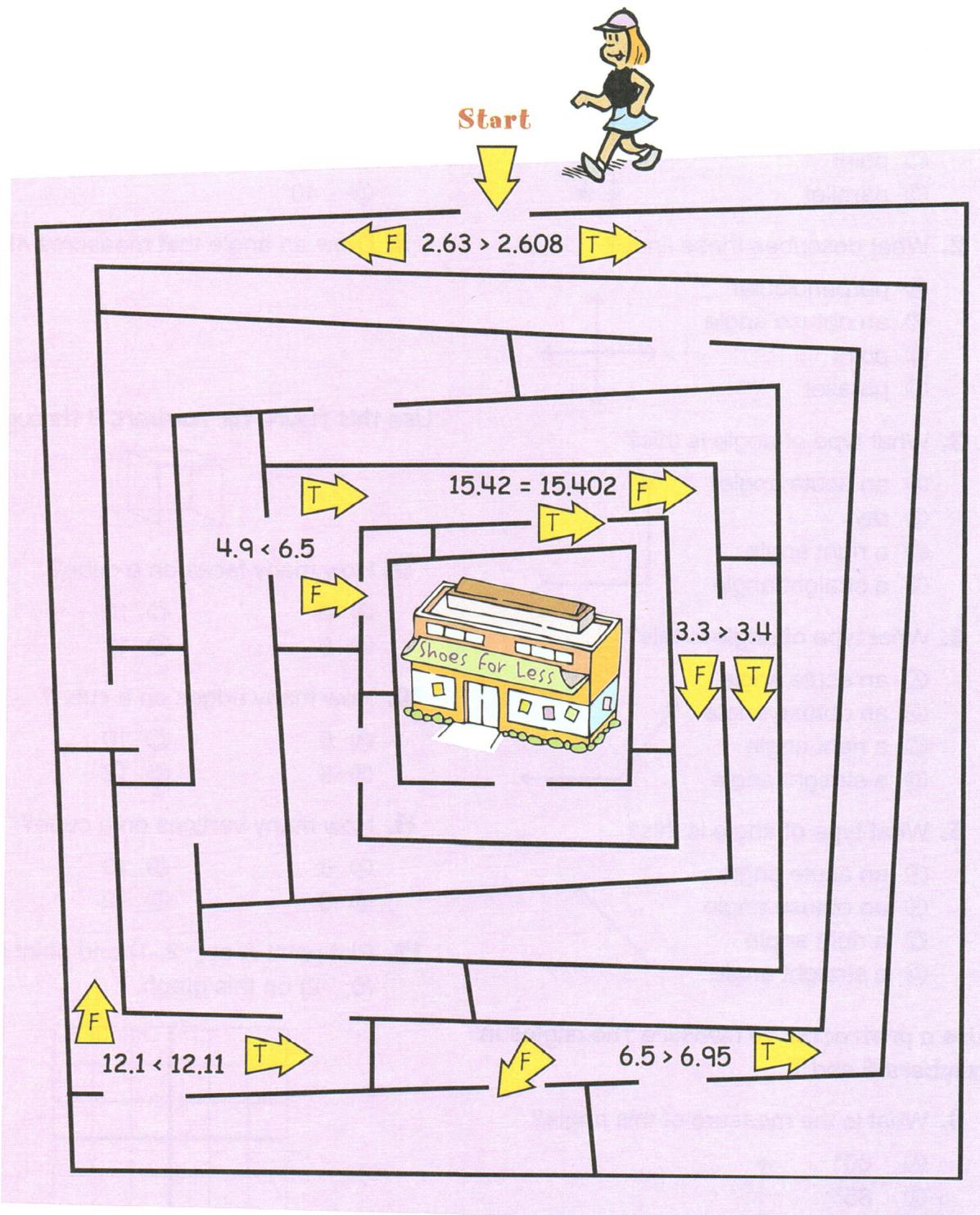
# At the Mall

## Skills:

Comparing  
Values Using  
 $<$ ,  $>$ ,  $=$

## Shopping for Shoes

Help Angie find the way to Shoes for Less. Decide if each inequality is true (T) or false (F). Then go in the direction of the correct arrow. Continue through the maze until you come to Shoes for Less.



# Percents

What is 50% of each number?

1. 6 \_\_\_\_\_

3. 28 \_\_\_\_\_

2. 50 \_\_\_\_\_

4. 300 \_\_\_\_\_

## Skills:

Calculating  
Percent of a  
Whole Number

What is 25% of each number?

5. 6 \_\_\_\_\_

7. 28 \_\_\_\_\_

6. 50 \_\_\_\_\_

8. 300 \_\_\_\_\_

What is 40% of each number?

9. 6 \_\_\_\_\_

11. 28 \_\_\_\_\_

10. 50 \_\_\_\_\_

12. 300 \_\_\_\_\_

What is 75% of each number?

13. 6 \_\_\_\_\_

15. 28 \_\_\_\_\_

14. 50 \_\_\_\_\_

16. 300 \_\_\_\_\_

## Remember:

To find a percent of a number, multiply the number by the percent written in its decimal form.



25% of 8

$$0.25 \times 8 = 2$$

10% of 35

$$0.10 \times 35 = 3.5$$

**Skills:**

Calculating  
Equivalent  
Fractions,  
Decimals, and  
Percents

Solving Word  
Problems

## On Sale

Solve each problem.

1. Julia was shopping at a store that advertised 50% off everything. She found a new CD player originally priced at \$76. What was the sale price?

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2. Roberto bought a new shirt that was 25% off. The original price was \$60. How much did he save?

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3. Elena was shopping for a new bathing suit. She found one she really liked. It was for sale at 40% off. In order to figure out how much the discount was, she needed to convert the percent into a decimal. What is 40% as a decimal?

---

If the bathing suit cost \$36 and was 40% off, how much did Elena pay for it?

---

4. Eddie found a jersey he really liked that was  $\frac{1}{5}$  off. At another store, he found the same jersey listed at the same original price, but it was discounted 15% off.

If the jersey cost \$20 and was  $\frac{1}{5}$  off, how much would Eddie pay for it?

---

If the jersey cost \$20 and was 15% off, how much would Eddie pay for it?

---

5. Tax for Northglenn City is calculated at 6.5%. Carlos is at a convenience store with his mom and needs to convert the percent to a decimal to input it on his calculator. What decimal number should he use?

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