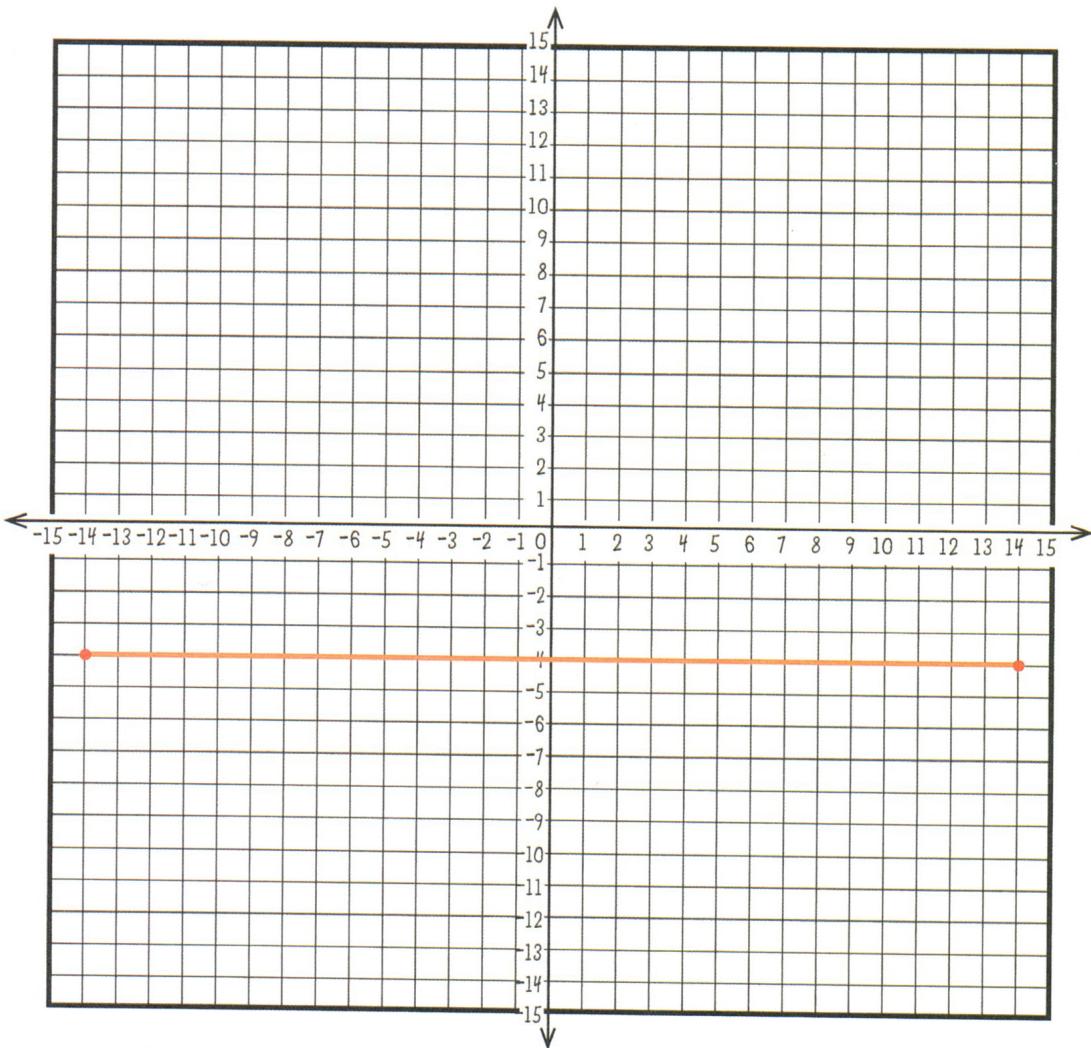


# Model Car

Plot the ordered pairs of numbers in the order in which they are listed and connect them with straight lines. Start each new set of points with a new line. The first line has been drawn.



- ▶ ~~(-14, -4)~~ ~~(14, -4)~~ line ends
- ▶ ~~(-9, -2)~~ ~~(-8, -4)~~ ~~(-6, -4)~~ ~~(-5, -2)~~ line ends
- ▶ ~~(-8, -2)~~ ~~(-7, -3)~~ ~~(-6, -2)~~ line ends
- ▶ ~~(5, -2)~~ ~~(6, -4)~~ ~~(8, -4)~~ ~~(9, -2)~~ line ends
- ▶ ~~(6, -2)~~ ~~(7, -3)~~ ~~(8, -2)~~ line ends
- ▶ ~~(2, 4)~~ ~~(2, -2)~~ line ends
- ▶ ~~(8, 1)~~ ~~(5, 3)~~ ~~(3, 3)~~ ~~(3, 1)~~ ~~(8, 1)~~ line ends
- ▶ ~~(1, 1)~~ ~~(1, 3)~~ ~~(-2, 3)~~ ~~(-4, 1)~~ ~~(1, 1)~~ line ends
- ▶ ~~(11, -1)~~ ~~(13, -1)~~ ~~(13, -2)~~ ~~(-11, -2)~~ ~~(-11, 0)~~ ~~(-10, 1)~~ ~~(-6, 1)~~ ~~(-2, 4)~~ ~~(5, 4)~~ ~~(9, 1)~~ ~~(11, 1)~~ ~~(11, -2)~~ line ends

## Skills:

Locating  
and Plotting  
Ordered  
Pairs on a  
Coordinate  
Graph

Collections

## Skills:

Solving One-  
and Two-Step  
Problems

Calculating  
with  
Percentages

# Stamp Collections

Solve these problems.

1. Rick and Myra collect stamps. Rick has 150 fewer stamps than Myra. Together they have collected 500 stamps. How many stamps does each person have in his or her collection?
- 

2. Myra bought a new sheet of stamps that had 10 thirty-seven cent stamps on the page. If she paid with a ten-dollar bill, how much change did she get back?
- 

3. Rick has a stamp in his collection that his grandfather purchased for 24¢. The value of the stamp is now 300% of the original value. What is the current value of the stamp?
- 

4. Myra has 150 stamps from foreign lands.  $\frac{3}{5}$  of the stamps are from countries in Europe. How many European stamps does she have?
-

# Storage Boxes

The children keep their collections in storage boxes of different sizes. Calculate the volume of each box.

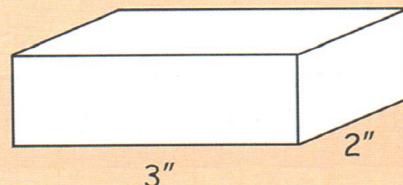
## Skills:

Calculating Volume

### Do You Remember?

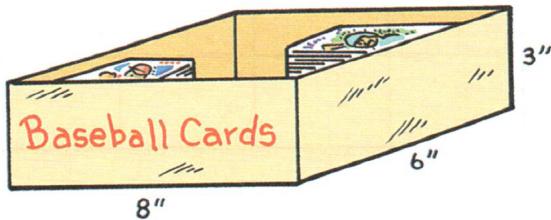
**Volume** is the amount of space in a 3-D shape.

$$\text{volume of a rectangular prism or a cube} = \text{length} \times \text{width} \times \text{height}$$



$$3'' \times 2'' \times 1'' = 6 \text{ cubic inches}$$

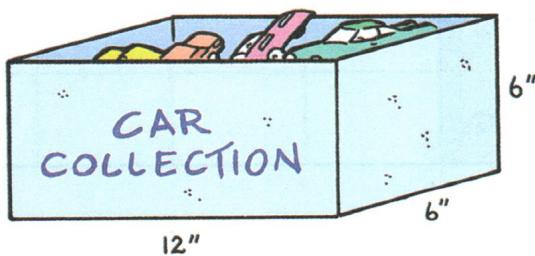
1. Myra's storage box



$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} =$$

$\underline{\quad}$  cubic inches

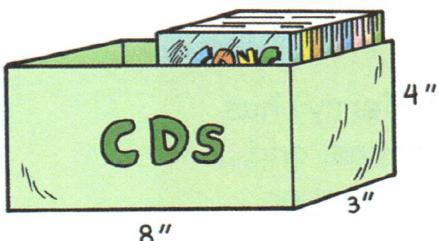
2. Gabriela's storage box



$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} =$$

$\underline{\quad}$  cubic inches

3. Karl's storage box



$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} =$$

$\underline{\quad}$  cubic inches

4. Martin's storage box



$$\underline{\quad} \times \underline{\quad} \times \underline{\quad} =$$

$\underline{\quad}$  cubic inches

# Stamp Collections

## Skill:

Solving a Logic  
Puzzle

Erik, Jerry, Carol, and Sandy all collect stamps. They have their stamp collections stored in books that are different colors. Use the clues below to determine the color of each person's book and the number of stamps each book contains.

When you know that a person and a color or a person and a number of stamps do not go with each other, make an **X** under the color or number of stamps and across from that person's name. When you know that a person and color or a person and number of stamps do go together, write **YES** in that box.

	Black	Blue	Green	Red	315	720	1,205	2,403
Erik								
Jerry								
Carol								
Sandy								

## Clues:

1. Carol has 1,205 stamps.
2. Sandy has the black book.
3. Neither Erik nor Jerry has the green book.
4. Erik has the red book.
5. The blue book contains the most stamps.
6. One of the boys (Erik or Jerry) has the fewest number of stamps, and the other has the largest number of stamps.
7. Jerry has more stamps than Erik.

# Percents

Find the percent of each stamp collection that is new.

1. What is 100% of 25? \_\_\_\_\_

2. What is 10% of 60? \_\_\_\_\_

3. What is 25% of 48? \_\_\_\_\_

4. What is 70% of 50? \_\_\_\_\_

5. What is 75% of 32? \_\_\_\_\_

6. What is 90% of 40? \_\_\_\_\_

7. What is 20% of 35? \_\_\_\_\_

8. What is 50% of 32? \_\_\_\_\_

9. What is 100% of 42? \_\_\_\_\_

10. What is 25% of 20? \_\_\_\_\_

11. What is 70% of 90? \_\_\_\_\_

12. What is 75% of 36? \_\_\_\_\_

13. What is 10% of 50? \_\_\_\_\_

14. What is 10% of 70? \_\_\_\_\_

15. What is 40% of 60? \_\_\_\_\_

16. What is 90% of 70? \_\_\_\_\_

## Remember:

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

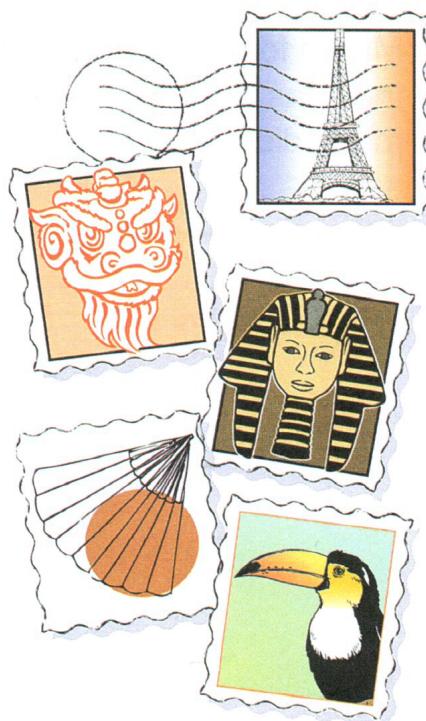
For example:

25% of 8

$$0.25 \times 8 = 2$$

10% of 35

$$0.10 \times 35 = 3.5$$



## Skills:

Calculating  
Percent of a  
Whole Number

Collection

**Skills:**

Calculating  
Percent  
of Whole  
Numbers and  
Decimals

# On Sale!

Solve each problem. Be sure to show your work on each problem.

- 1.** Jonathon found a new scrapbook for his stamp collection. The original price was \$36. The tag said it was 25% off. What was the sale price?

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- 2.** Gabriela 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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- 3.** Every set of baseball cards was on sale at 20% off. The original price was \$2.50. Karl bought three sets of cards. How much did he spend?

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- 4.** Martin found a case for his model car collection that was 30% off the original price of \$60. How much did Martin save?

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