

## Equations to Represent Word Problems

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Write a number sentence to show how to solve the problem in the box. Be sure to include the answer in your number sentence.

Marianne has 27 baseball cards. Dave has 36 baseball cards. How many more baseball cards does Dave have than Marianne?

2. Seth read 5 chapter books and 9 picture books. Anna read 16 chapter books.

Which number sentence correctly compares the total number of books Seth read with the number of books Anna read?

- A.  $5 + 9 < 16$                       B.  $5 + 9 > 16$                       C.  $16 = 5 + 9$                       D.  $9 = 16 - 5$

3. Write a number sentence to show how to solve the problem in the box. Be sure to include the answer in your number sentence.

Marianne has 27 baseball cards. Dave has 36 baseball cards. How many more baseball cards does Dave have than Marianne?

4. The table below shows how much money Desmond had in his savings account for each of the last four weeks.

Week	1	2	3	4
Amount in Savings	\$2	\$4	\$6	\$8

If he continues to save the same amount each week, which number sentence tells how much he will have in week 7?

- A.  $7 \times \$2 = \$14$                       B.  $\$8 + \$8 = \$16$                       C.  $\$8 + \$2 = \$10$                       D.  $7 \times \$8 = \$56$

5. Claire has 3 bags of marbles with 8 marbles in each bag. Leo has 8 bags of marbles with 3 marbles in each bag. Which number sentence shows that Claire and Leo have the SAME number of marbles?

- A.  $8 \times 3 = 3 \times 8$                       B.  $8 - 3 = 3 - 8$                       C.  $3 + 8 = 8 + 3$                       D.  $8 - 3 = 5$

6. Which word problem below could be represented by the number sentence  $5 \times 3 = 15$ ?
- A. Lynda had 5 notebooks. She bought 3 more notebooks. How many notebooks did she have?
  - B. Lynda bought 5 packages of notebooks with 3 notebooks in each package. How many notebooks did she buy?
  - C. Lynda had 5 notebooks. She gave away 3 of them. How many notebooks did she have left?
  - D. Lynda had 5 packages of notebooks. She put the notebooks in 3 stacks. How many notebooks were in each stack?

7. Last summer, Max earned 5 stickers for every book he read. He earned 40 stickers in all for reading books. Which number sentence could be used to find  $b$ , the number of books Max read?

- A.  $b \div 5 = 40$                       B.  $5 + b = 40$                       C.  $b - 5 = 40$                       D.  $5 \times b = 40$

8. Ms. Caruso wants to arrange 16 desks in rows to form a square.

Which of the following number sentences shows how all of the desks can be arranged in rows to form a square?

- A.  $2 \times 8 = 16$                       B.  $4 \times 4 = 16$                       C.  $4 + 12 = 16$                       D.  $8 + 8 = 16$

9. Pat and Meg wrote their names in some of the squares on a grid, as shown below.

Pat	Meg	Pat	Pat
Meg	Meg	Meg	Pat
Meg	Meg		

Which number sentence shows the fraction of squares on the grid that have Pat's name or Meg's name in them?

- A.  $\frac{4}{12} + \frac{6}{12} = \frac{10}{12}$                       B.  $\frac{4}{12} + \frac{6}{12} = \frac{10}{24}$                       C.  $\frac{4}{8} + \frac{6}{6} = \frac{10}{14}$                       D.  $\frac{4}{2} + \frac{6}{2} = \frac{10}{2}$

10. Lucy planted 2 rows of tomato plants.

There were 5 tomato plants in each row.

Which number sentence shows how many tomato plants Lucy planted?

- A.  $2 + 5 = 7$                       B.  $2 \times 5 = 10$                       C.  $5 - 2 = 3$                       D.  $2 + 3 = 5$

Equations to Represent Word Problems      11/22/2013

1.  
Answer:      Dave has nine more baseball cards than Marianne.
  
2.  
Answer:      A
  
3.  
Answer:       $27 + 9 = 36$ ,  $36 - 27 = 9$ ,  $36 - 9 = 27$
  
4.  
Answer:      A
  
5.  
Answer:      A
  
6.  
Answer:      B
  
7.  
Answer:
  
8.  
Answer:
  
9.  
Answer:
  
10.  
Answer:      B