

## Write/Evaluate Simple Expressions - II

1. Find the value of each expression. What will you do first?

- a.  $19 - (14 - 9)$
- b.  $12 - (x + 7)$  if  $x = 4$ .
- c.  $(17 - x) - (16 - y)$  if  $x = 9$  and  $y = 11$ .
- d.  $(a + b) + 6$  if  $a = 7$  and  $b = 5$ .
- e.  $(m - 2) - (1 + n)$  if  $m = 6$  and  $n = 1$ .
- f.  $y - (8 + z)$  if  $y = 17$  and  $z = 9$ .

**Solution:**

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_
- d. \_\_\_\_\_
- e. \_\_\_\_\_
- f. \_\_\_\_\_

2. Write an expression and find the value of the expression.

- a. Sam has 20 cards. He gives 4 cards to Jena and 5 cards to Keenan. How many cards does Sam have now?
- b. Paris had \$75. She spent \$15 on a dress and \$24 on a pair of shoes. How much money does she have now?

**Solution:**

- a.
- b.

3. Guess the value of the variable if value of the expression is 4.

- a.  $a + 2$
- b.  $12 - 8 + a$
- c.  $9 + a - 8$

**Solution:**

- a. \_\_\_\_\_
- b. \_\_\_\_\_
- c. \_\_\_\_\_

4. Write an expression using a variable. What does the variable represent? If the value of the variable is 5 in each case, evaluate the expression.

- a. Dana scored a goal in a soccer game. Her teammates scored some more goals.
- b. Brandon had 10 football posters in his room. He gave some to his brother.
- c. Chloe bought a book for \$8. She also bought a music CD.

**Solution:**

- a.
- b.
- c.

5.  $12 + (a - 3) = 17$ . What is the value of  $a$ ?

- |      |      |
|------|------|
| A. 6 | C. 7 |
| B. 5 | D. 8 |

**Solution:**

6. Which is the value of expression below if  $x = 3$  and  $y = 8$ ?

$$12 - x + (y - 3)$$

- |       |       |       |       |
|-------|-------|-------|-------|
| A. 12 | B. 14 | C. 13 | D. 15 |
|-------|-------|-------|-------|

**Solution:**