

**3.2****Writing Expressions****Homework Day 4**

Mark the text by underlining key words, and then write an expression using variables and numbers for each of the statements below.

1. Justin can type  $w$  words per minute. Melvin can type 4 times as many words as Justin. Write an expression that represents the rate at which Melvin can type.

Answer: \_\_\_\_\_

2. Yohanna swam  $y$  yards yesterday. Sheylin swam 5 yards less than half the amount of yards as Yohanna. Write an expression that represents the number of yards Sheylin swam yesterday.

Answer: \_\_\_\_\_

3. A number  $d$  is decreased by 5 and then doubled.

Answer: \_\_\_\_\_

4. Nahom had  $n$  baseball cards, and Semir had  $s$  baseball cards. They combined their baseball cards and then sold 10 of them.

Answer: \_\_\_\_\_

5. The sum of 25 and  $h$  is divided by  $f$  cubed.

Answer: \_\_\_\_\_

Write an expression using letters and/or numbers for each problem below.

6. 4 less than the quantity of 8 times  $n$

Answer: \_\_\_\_\_

7. 6 times the sum of  $y$  and 11

Answer: \_\_\_\_\_

8. The square of  $m$  reduced by 49

Answer: \_\_\_\_\_

9. The quotient when the quantity of 17 plus  $p$  is divided by 8

Answer: \_\_\_\_\_

10. Jim earned  $j$  in tips, and Steve earned  $s$  in tips. They combine their tips and then split them equally.

Answer: \_\_\_\_\_

11. Owen has  $c$  collector cards. He quadruples the number of cards he has and then combines them with Ian, who has  $i$  collector cards.

Answer: \_\_\_\_\_

12. Rae runs 4 times as many miles as Madison and Aaliyah combined. Madison runs  $m$  miles, and Aaliyah runs  $a$  miles.

Answer: \_\_\_\_\_

13. By using coupons, Mary Jo is able to decrease the retail price of her groceries,  $g$ , by \$125.

Answer: \_\_\_\_\_

14. To calculate the area of a triangle, you find the product of the base and height and then divide by 2.

Answer: \_\_\_\_\_

15. The temperature today was 10 degrees colder than twice yesterday's temperature,  $t$ .

Answer: \_\_\_\_\_