

3.2 Practice B

Write the phrase as an expression.

1. 8 more than 5
2. 11 fewer than 24
3. 6 times a number y
4. the quotient of a number n and 7
5. the sum of 8 and a number e
6. twice a number n plus 6
7. a number x decreased by 13
8. 7 less than 3 times a number m
9. the total of a number f and 3
10. the difference of 25 and a number w
11. You have two cats. Each cat has a litter of 6 kittens. Write an expression that describes the total number of cats and kittens you have.
12. The total of your dinner bill plus tip is \$16.00. You left a \$3.20 tip. Write an expression to describe this situation.

Write the phrase as an expression. Then evaluate when $x = 8$ and $y = 20$.

13. fifteen more than the quotient of 24 and a number x
14. the sum of a number y and 30, all divided by 5
15. the product of 2 and the sum of a number x and 9
16. In the sequence, 2, 5, 8, 11, ..., which expression describes the number after x ? Explain your choice.
 - A. $x + 3$
 - B. $x - 3$
 - C. $3x$
 - D. $x \div 3$
17. You are baking cookies.
 - a. You make one and one-half batches of cookies. How many eggs have you used?
 - b. Each batch makes 24 cookies. You make x batches of cookies, but eat 5 cookies as you are baking. Write an expression for the number of cookies that you have.
 - c. You make 3 batches of cookies to make bags for a sale. You put 5 cookies in each bag. Given $14(5) + 2 = 3(24)$, what do the terms represent?

Recipe

2 cups sugar

$1\frac{1}{2}$ cups flour

2 eggs