

LESSON
2-2

Practice B
Translating Between Words and Math

1. Terry's essay has 9 more pages than Stacey's essay. If s represents the number of pages in Stacey's essay, write an expression for the number of pages in Terry's essay.

2. Let z represent the number of students in a class. Write an expression for the number of students in 3 equal groups.

Write each phrase as a numerical or algebraic expression.

3. 24 multiplied by 3

4. n multiplied by 14

5. w added to 64

6. the difference of 58 and 6

7. m subtracted from 100

8. the sum of 180 and 25

9. the product of 35 and x

10. the quotient of 63 and 9

11. 28 divided by p

Write two phrases for each expression.

12. $n + 91$ _____

13. $35 + r$ _____

14. $20 - s$ _____

15. Charles is 3 years older than Paul. If y represents Paul's age, what expression represents Charles's age?

16. Maya bought some pizzas for \$12 each. If p represents the number of pizzas she bought, what expression shows the total amount she spent?

LESSON
2-2**Problem Solving****Translating Between Words and Math****Write the correct answer.**

- Holly bought 10 comic books. She gave a few of them to Kyle. Let c represent the number of comic books she gave to Kyle. Write an expression for the number of comic books Holly has left.

- Last week, Peter worked 40 hours for \$15 an hour. Write a numerical expression for the total amount Peter earned last week. Write an algebraic expression to show how much Peter earns in h hours at that rate.

- The temperature dropped 58F, and then it went up 38F. Let t represent the beginning temperature. Write an expression to show the ending temperature.

- Teri baked 48 cookies and divided them evenly into bags. Let n represent the number of cookies Teri put in each bag. Write an expression for the number of bags she filled.

Circle the letter of the correct answer.

- Marisa purchased canned soft drinks for a family reunion. She purchased 1 case of 24 cans and several packages containing 6 cans each. If p represents the number of 6-can packages she purchased, which of the following expressions represents the total number of cans Marisa purchased for the reunion?
A $24 + 6p$
B $24 - 6p$
C $6 + 24p$
D $6 - 24p$
- Becky has the addresses of many people listed in her e-mail address book. She forwarded a copy of an article to all but 5 of those people. If a represents the number of addresses, which of the following expressions represents how many people she sent the article to?
F $a + 5$
G $5a$
H $a - 5$
J $a \div 5$
- Mei bought several CDs for \$12 each. Which of the following expressions could you use to find the total amount she spent on the CDs?
A $12 + x$
B $12 - x$
C $12x$
D $12 \div x$
- Tony bought 2 packs of 50 plates and 1 pack of 30 plates. Which of the following expressions could you use to find the total number of plates Tony bought?
F $2 + 50 + 30$
G $(2 \cdot 50) + 30$
H $(2 \cdot 30) + 50$
J $2(30 + 50)$