

LESSON

2-2

Problem Solving**Translate 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 5°F , and then it went up 3°F . 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 $6 - 24p$
- 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 $12 \div x$
- 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 $a \div 5$
- 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 $2(30 + 50)$