



Section C: Lessons 2-12 through 2-15 Review

Do You Know How?

Do You Understand?

Variables and Expressions (2-12)

Evaluate each expression for $n = 3$ and $n = 4$.

1. $0.2 \times n$
2. $n + 5.7$
3. $31 - n$
4. $24 \div n$
5. $9n$
6. $n - 1.8$

- A Tell how you evaluated each expression.
- B Explain the meaning of the expression $100y$.

Problem-Solving Skill: Translating Words into Expressions (2-13)

Write each word phrase as an algebraic expression.

7. 3.5 more than a number
8. A length decreased by 12
9. The quotient of a number and 6

- C Explain how you found each algebraic expression.
- D Write two word phrases for the algebraic expression $9x$.

Find a Rule (2-14)

Find a rule for each table. Write the rule in words and with a variable.

10.

Input	Output
55	49
42	36
28	22
13	7

11.

Input	Output
1	9
5	45
7	63
11	99

- E Tell how you found the rule for each table.
- F In Exercise 11, if 30 is listed as an input number, what would the output number be? Explain.

Solving Equations (2-15)

Solve by using mental math.

12. $h - 60 = 6$
13. $7m = 56$
14. $25 + t = 52$
15. $100m = 800$
16. $x + 100 = 800$

- G Explain how you solved each equation.
- H Does $t + 25 = 52$ have the same solution as Exercise 14? Explain why or why not.