3.OA.8

MY Homework

Lesson 6

Evaluate Expressions

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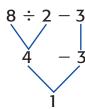
Kevin used half of the tools from his toolbox. An hour later he put 3 tools back. How may tools is Kevin still using if he had z tools in his toolbox? Write an expression. Then evaluate the expression if z = 8.

Write the expression.

$$z \div 2 - 3$$

Replace z with 8.

When there are no parentheses, first multiply or divide, in order, from left to right.



Kevin is still using 1 tool.

Practice

Algebra Evaluate each expression if c = 4 and d = 7.

3.
$$35 \div d$$

Algebra Evaluate each expression if x = 14 and y = 6.

4.
$$(x + y) \div 4$$

5.
$$x - 2 \times 2$$

6.
$$y + 24 \div 2$$

PRACTICE Model Math Write an expression for each situation. Then evaluate it.

- **7.** Monica has 7 hats. Andrea has b fewer hats than Monica. If b = 5, how many hats does Andrea have?
- 8. There are 4 shelves with canned dog food. Each shelf has t rows of cans. Then Tracy adds 2 cans to only 1 of the shelves. If t = 8, how many cans are on the shelves altogether?

 $4 \times t$: $4 \times$

9. Valerie is making identical quilts for herself and her sister. For each quilt she buys 5 yards of solid fabric and w yards of printed fabric. If w = 4, how much fabric did Valerie buy to make both quilts?

 $() \times 2;$

Vocabulary Check



- 10. Explain what a variable is.
- **11.** What does it mean to evaluate an expression?

Test Practice

- **12.** Evaluate the expression $h + 8 \div 4$ if h = 16.
 - (A) 20
- © 8

(B) 18