LESSON MAKER PRO

Operation Order Quest

Name each move, then solve the expression.

GRADE 5 · 5.CE.4.b

5.CE.4.b "Given a whole number numerical expression involving more than one operation, describe which operation is completed first, which is second, and which is third.*"

NAME _____ DATE _____

TRACK THE STEPS

Do operations in parentheses first. Next, multiply and divide from left to right, then add and subtract from left to right, and name each move in the order you do it.

WORKED EXAMPLE

42 / 7 + 5 * 2

1. First, divide: 42 / 7 = 6, so the expression is 6 + 5 * 2.
2. Second, multiply: 5 * 2 = 10, so the expression is 6 + 10.
3. Third, add: 6 + 10 = 16.

Answer: 16

PRACTICE 6 problems

1 For 8 + 9 * 6 - 5, name the first, second, and third operations. Then find the value.

ANSWER _____

2 For 56 / 8 + 12 - 7, name the first, second, and third operations. Then find the value.

ANSWER _____

3 For 19 - 13 + 8 * 10, name the first, second, and third operations. Then find the value.

ANSWER _____

4 For (14 + 16) / 5 + 17, name the first, second, and third operations. Then find the value.

ANSWER _____

5 For 72 - 24 / 8 + 11, name the first, second, and third operations. Then find the value.

ANSWER _____

6 For 20 + 18 / 9 * 14, name the first, second, and third operations. Then find the value.

ANSWER _____

APPLY IT Show your work

1 A gaming club buys 4 packs of 15 cards. The club gives 18 cards as prizes, then shares the remaining cards equally among 6 teams. What operation is first, second, and third? How many cards does each team get?

WORK SPACE

ANSWER _____

2 In a coding game, Mia collects 9 badges on each of 14 levels. She trades 30 badges for profile items, then earns 16 bonus badges. What operation is first, second, and third? How many badges does she have now?

WORK SPACE

ANSWER _____

CHALLENGE One step up

For 96 / (12 - 4) + 9 * 11, describe the first three operations. Then find the value.

WORK SPACE AND ANSWER

ANSWER KEY

Operation Order Quest

GRADE 5 · 5.CE.4.b

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	For 8 + 9 * 6 - 5, name the first, second, and third operations. Then find the value.	**First multiplication, second addition, third subtraction; 57.**
2	For 56 / 8 + 12 - 7, name the first, second, and third operations. Then find the value.	**First division, second addition, third subtraction; 12.**
3	For 19 - 13 + 8 * 10, name the first, second, and third operations. Then find the value.	**First multiplication, second subtraction, third addition; 86.**
4	For (14 + 16) / 5 + 17, name the first, second, and third operations. Then find the value.	**First addition inside the parentheses, second division, third addition; 23.**
5	For 72 - 24 / 8 + 11, name the first, second, and third operations. Then find the value.	**First division, second subtraction, third addition; 80.**
6	For 20 + 18 / 9 * 14, name the first, second, and third operations. Then find the value.	**First division, second multiplication, third addition; 48.**

PART 2 · APPLY IT

1. **7 cards per team.** Multiply 4 * 15 to get 60 cards. Subtract 18, then divide 42 by 6 to get 7.
2. **112 badges.** Multiply 9 * 14 to get 126 badges. Subtract 30, then add 16 to get 112.

CHALLENGE

First subtract inside the parentheses, second divide, third multiply, fourth add; 111.

Accept operation words or symbols, as long as the order is correct. For operations at the same level, accept explanations that state they are completed from left to right.