LESSON MAKER PRO

Operation Order Quest

Simplify expressions one step at a time.

GRADE 5 · 5.CE.4.a.i

5.CE.4.a.i "Use order of operations to simplify numerical expressions with whole numbers, limited to addition, subtraction, multiplication, and division in which:* expressions may contain no more than one set of parentheses;"

NAME _____ DATE _____

CHOOSE THE RIGHT ORDER

Work inside parentheses first. Then multiply and divide from left to right. Last, add and subtract from left to right.

WORKED EXAMPLE

$18 + (7 * 3) - 5$

1. Multiply inside the parentheses: 7 * 3 = 21.
2. Add: 18 + 21 = 39.
3. Subtract: 39 - 5 = 34.

Answer: 34

PRACTICE 6 problems

1 36 / 6 + 14

ANSWER _____

2 9 * 4 - 11

ANSWER _____

3 48 - (20 / 4)

ANSWER _____

4 (15 + 9) * 2

ANSWER _____

5 64 / 8 * 7

ANSWER _____

6 50 - 6 * 5 + 12

ANSWER _____

APPLY IT Show your work

1 A video game club earns 12 points for each of 4 completed quests. Then the club earns 16 bonus points. How many points does the club earn altogether?

WORK SPACE

ANSWER _____

2 A collector has 72 trading cards. She fills 6 pages with 8 cards on each page and gives away all the cards on those pages. How many cards does she have left?

WORK SPACE

ANSWER _____

CHALLENGE One step up

96 / (4 + 8) * 9

WORK SPACE AND ANSWER

ANSWER KEY

Operation Order Quest

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PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	36 / 6 + 14	**20**
2	9 * 4 - 11	**25**
3	48 - (20 / 4)	**43**
4	(15 + 9) * 2	**48**
5	64 / 8 * 7	**56**
6	50 - 6 * 5 + 12	**32**

PART 2 · APPLY IT

1. **64 points** Multiply 4 by 12, then add 16: 48 + 16 = 64 points.
2. **24 cards** Multiply 6 by 8 to find the cards given away, then subtract: 72 - 48 = 24 cards.

CHALLENGE

72

Accept correct numerical answers with or without written steps. Require multiplication and division to be completed from left to right after any parentheses are simplified.