

Operation Order Quest

Use the correct steps to solve each expression.

GRADE 5 • NY-5.OA.1

NY-5.OA.1 "Apply the order of operations to evaluate numerical expressions."

NAME _____

DATE _____

SOLVE IN ORDER

Solve inside parentheses, brackets, and braces first. Then multiply and divide from left to right, and add and subtract from left to right.

WORKED EXAMPLE

Evaluate: $(42 - 7) / 5 + 2$

1. Solve inside the parentheses: $42 - 7 = 35$.
2. Divide: $35 / 5 = 7$.
3. Add: $7 + 2 = 9$.

Answer: 9

PRACTICE 6 problems

1 Evaluate: $48 / 8 + 13$

ANSWER _____

2 Evaluate: $29 - 4 \times 3$

ANSWER _____

3 Evaluate: $(21 + 15) / 6$

ANSWER _____

4 Evaluate: $11 + 40 / 10 - 1$

ANSWER _____

5 Evaluate: $[46 - (18 + 12)] / 4$

ANSWER _____

6 Evaluate: $8 \times (16 - 10) + 14$

ANSWER _____

APPLY IT Show your work

- 1** Jada has 4 sticker packs with 16 stickers in each pack. She gives 11 stickers to each of 3 friends. How many stickers does Jada have left?

WORK SPACE

ANSWER _____

- 2** In a game, Luis earns 6 treasure chests with 18 coins in each chest. He spends 28 coins, then divides the coins left equally among 4 avatars. How many coins does each avatar get?

WORK SPACE

ANSWER _____

CHALLENGE One step up

Evaluate: $\{96 \div [4 \times (10 - 4)]\} + 11$

WORK SPACE AND ANSWER

PART 1 • PRACTICE

#	PROBLEM	ANSWER
1	Evaluate: $48 \div 8 + 13$	19
2	Evaluate: $29 - 4 \times 3$	17
3	Evaluate: $(21 + 15) \div 6$	6
4	Evaluate: $11 + 40 \div 10 - 1$	14
5	Evaluate: $[46 - (18 + 12)] \div 4$	4
6	Evaluate: $8 \times (16 - 10) + 14$	62

PART 2 • APPLY IT

1. **31** Multiply 4×16 to find the total stickers. Multiply 3×11 for the stickers given away, then subtract: $64 - 33 = 31$.
2. **20** Find the coins earned, subtract the coins spent, and divide: $(6 \times 18 - 28) \div 4 = 20$.

CHALLENGE

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Accept correct answers with equivalent order-of-operations work. Students may show multiplication and division steps in separate lines.