LESSON MAKER PRO

Expression Expedition

Write, read, and solve number stories.

GRADE 5 · 5.NR.5

5.NR.5 "Write, interpret, and evaluate numerical expressions within authentic problems."

NAME _____ DATE _____

BUILD AND SOLVE EXPRESSIONS

A numerical expression uses numbers and operation signs to show a calculation. Use the order of operations: solve parentheses first, then multiply or divide, then add or subtract from left to right.

WORKED EXAMPLE

Evaluate (63 - 15) / 6 + 8.

1. Work inside parentheses: 63 - 15 = 48.
2. Divide: 48 / 6 = 8.
3. Add: 8 + 8 = 16.

Answer: 16

PRACTICE 6 problems

1 Evaluate 72 / 9 + 14.

ANSWER _____

2 Evaluate 5 x (18 - 11).

ANSWER _____

3 Which expression shows 4 bags of 12 marbles plus 9 loose marbles?

ANSWER _____

4 Evaluate 90 - 3 x 17.

ANSWER _____

5 A music app has 7 playlists with 14 songs each. It deletes 13 songs. Write and evaluate an expression for the songs left.

ANSWER _____

6 Evaluate (54 + 30) / 7.

ANSWER _____

APPLY IT Show your work

1 Maya has 78 coins. She gives all 78 coins equally to 2 teammates, and Maya keeps none. How many coins does each teammate get?

WORK SPACE

ANSWER _____

2 A robotics club earns 24 points in each of 5 challenge rounds. The club loses 17 points for a late check-in. Write and evaluate an expression for the club's final score.

WORK SPACE

ANSWER _____

CHALLENGE One step up

A bookstore packs 3 boxes of bookmarks. Each box holds 4 bundles of 15 bookmarks. Then 18 bookmarks are given away. Write one expression and evaluate it to find how many bookmarks remain.

WORK SPACE AND ANSWER

ANSWER KEY

Expression Expedition

GRADE 5 · 5.NR.5

PART 1 · PRACTICE

#	PROBLEM	ANSWER
1	Evaluate 72 / 9 + 14.	**22**
2	Evaluate 5 x (18 - 11).	**35**
3	Which expression shows 4 bags of 12 marbles plus 9 loose marbles?	**4 x 12 + 9**
4	Evaluate 90 - 3 x 17.	**39**
5	A music app has 7 playlists with 14 songs each. It deletes 13 songs. Write and evaluate an expression for the songs left.	**7 x 14 - 13 = 85**
6	Evaluate (54 + 30) / 7.	**12**

PART 2 · APPLY IT

1. **39 coins** Write 78 / 2. Each teammate gets 39 coins.
2. **5 x 24 - 17 = 103 points** Multiply the points from 5 rounds, then subtract the penalty: 5 x 24 - 17 = 103.

CHALLENGE

3 x 4 x 15 - 18 = 162 bookmarks

Accept equivalent expressions that keep the same operations and order, such as 12 x 4 + 9 for problem 3. Accept x or parentheses when students write multiplication expressions.