

MY Homework**Lesson 3****Write Numerical Expressions****Homework Helper**Need help? connectED.mcgraw-hill.com

Admission to a county fair is \$10 for adults and \$6 for children. The total cost in dollars of admission for 1 adult ticket and 4 children's tickets is represented by the phrase four multiplied by six, then add ten. Write the total cost of admission as a numerical expression.

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Write the phrase in parts.

Part 1 four multiplied by six**Part 2** then add ten**2**

Write each part as a numerical expression.

Part 1 four multiplied by six $\longrightarrow 4 \times 6$ **Part 2** then add ten $\longrightarrow + 10$ **3**

Combine the numerical expressions to represent the total cost in dollars. Add parentheses if needed.

$$4 \times 6 + 10$$

Practice

1. Compare the two numerical expressions without evaluating them.

Expression 1

$$8 - 3$$

Expression 2

$$(8 - 3) \times 4$$

Both expressions contain the same subtraction expression.

Write the subtraction expression. _____

In Expression 2, the difference is multiplied by _____.

So, Expression 2 is _____ times as large as Expression 1.

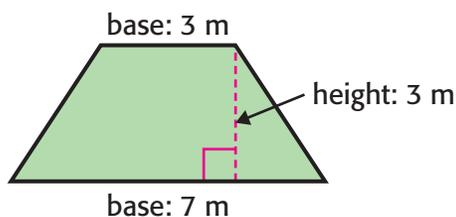


Problem Solving

2. Jeffrey purchased and downloaded 12 songs on Monday. He purchased an additional 3 songs on Tuesday. The cost to download each song is \$2. Write a numerical expression to represent this situation.
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3. Mora bought 3 bags of apples for her class. One full bag has 8 apples, and each apple weighs 6 ounces. Write a numerical expression to represent this situation.
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4. **Mathematical PRACTICE**  **Use Number Sense** Jane wants to find the area of the trapezoid. To find the area of a trapezoid, add the two bases, multiply by the height, then divide by 2. The bases and height of the trapezoid are shown. Represent the area of the trapezoid with a numerical expression.



Vocabulary Check



5. Fill in the blank with the correct term or number to complete the sentence.

A _____ expression like $(3 + 5) \times (4 - 1)$ is a combination of numbers and at least one operation.

Test Practice

6. Denzel and three friends go to the movies. Each person buys a movie ticket for \$8, a snack for \$4, and a drink for \$2. Which numerical expression represents the total cost of the trip to the movies for Denzel and his friends?

- (A) $4 + (\$8 \times \$4 \times \$2)$ (C) $(4 \times \$8) + (\$4 \times \$2)$
(B) $4 \times (\$8 + \$4 + \$2)$ (D) $(4 \times \$8 + \$4) + (4 \times \$4 + \$2)$