NAME

PERIOD

_nit 6, Lesson 6: Write Expressions Where Letters Stand for Numbers

- 1. Instructions for a craft project say that the length of a piece of red ribbon should be 7 inches less than the length of a piece of blue ribbon)
 - a. How long is the red ribbon if the length of the blue ribbon is:

10 inches?

27 inches?

b. How long is the blue ribbon if the red ribbon is 12 in

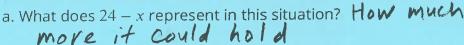
- 2. Tyler has 8 times as many books as Mai.
 - a. How many books does Mai have if Tyler has:

divide

21 books? = 7 books x books?

b. Tyler has 18 books. How many books does Mai have? $\frac{18}{3} = 6$ books

3. A bottle holds 24 ounces of water. It has x ounces of water in it.



- b. Write a question about this situation that has 24 x for the answer.
- 4. Write an equation represented by this tape diagram that uses each of the following operations.

DATE

PERIOD



- 9+9+9=27 a. addition
- b. subtraction 27 9 = 18 27 18 = 9c. multiplication $3 \cdot 9 = 27$...
- d. division

27+9=391mps

(from Unit 6, Lesson 1)

- 5. Select all the equations that describe each situation and then find the solution.
 - a. Han's house is 450 meters from school. Lin's house is 135 meters closer to school. How far is Lin's house from school?

z = 450 + 135

$$z = 450 - 135$$

$$z - 135 = 450$$

$$z + 135 = 450$$

b. Tyler's playlist has 36 songs. Noah's playlist has one quarter as many songs as Tyler's playlist. How many songs are on Noah's playlist?

$$w = 4 \cdot 36$$

$$iv = 36 \div 4$$

$$4w = 36$$

$$\frac{w}{4} = 36$$

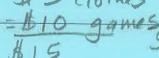
9 songs

(from Unit 6, Lesson 4)

6. You had \$50. You spent 10% of the money on clothes, 20% on games, and the rest on books. How

much money was spent on books?

Unit 6: Expressions and Equations Lesson 6: Write Expressions Where Letters Stand for Numbers



\$35 Books