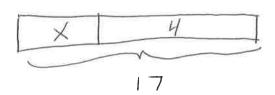
PERIOD

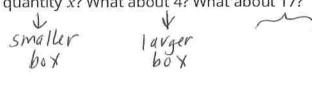
nit 6, Lesson 1: Tape Diagrams and Equations



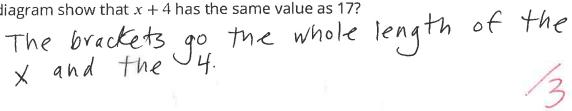
- 1. Here is an equation: x + 4 = 17
 - a. Draw a tape diagram to represent the equation.



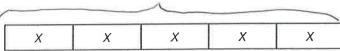
b. Which part of the diagram shows the quantity x? What about 4? What about 17?



c. How does the diagram show that x + 4 has the same value as 17?



Diego is trying to find the value of x in $5 \cdot x = 35$. He draws this diagram but is not certain how to proceed.

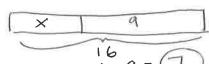


- a. Complete the tape diagram so it represents the equation $5 \cdot x = 35$.
- b. Find the value of x.



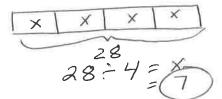
3. For each equation, draw a tape diagram and find the unknown value.

a.
$$x + 9 = 16$$



4. Match each equation to one of the two tape diagrams.

b.
$$4 \cdot x = 28$$

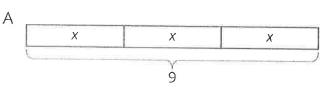


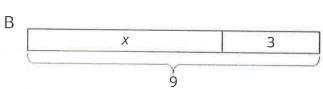


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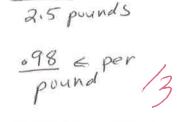
PERIOD





a. $x + 3 = 9$	D
b. $3 \cdot x = 9$	A
c. $9 = 3 \cdot x$	\forall
d. $3 + x = 9$	B
e. $x = 9 - 3$	B
f. $x = 9 \div 3$	*
g. x + x + x = x	= 9 A

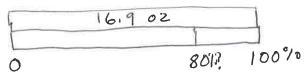
5. A shopper paid \$2.52 for 4.5 pounds of potatoes, \$7.75 for 2.5 pounds of broccoli, and \$2.45 for 2.5 pounds of pears. What is the unit price of each item she bought? Show your reasoning.

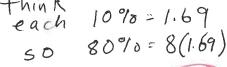


JA 2,45

(from Unit 5, Lesson 13)

6. A sports drink bottle contains 16.9 fluid ounces. Andre drank 80% of the bottle. How many fluid ounces did Andre drink? Show your reasoning. thin K

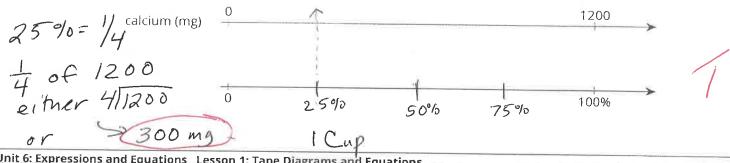




13.520

(from Unit 3, Lesson 14)

7. The daily recommended allowance of calcium for a sixth grader is 1,200 mg. One cup of milk has 25% of the recommended daily allowance of calcium. How many milligrams of calcium are in a cup of milk? If you get stuck, consider using the double number line.



Unit 6: Expressions and Equations Lesson 1: Tape Diagrams and Equations