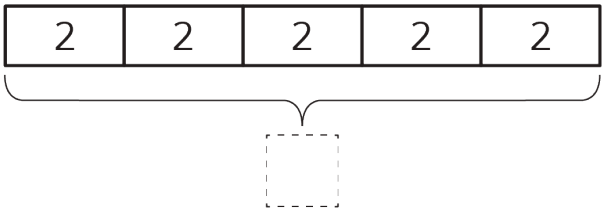
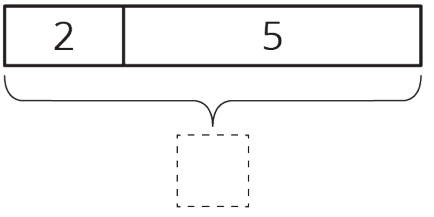
Unit 4 Lesson 1: Tape Diagrams and Equations

1 Which Diagram is Which? (Warm up)

Student Task Statement

1. Here are two diagrams. One represents $2 + 5 = 7$. The other represents $5 \cdot 2 = 10$. Which is which? Label the length of each diagram.





2. Draw a diagram that represents each equation.

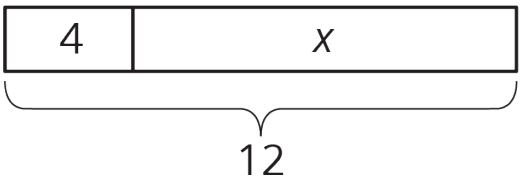
$4 + 3 = 7$

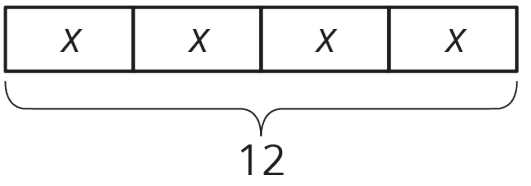
$4 \cdot 3 = 12$

2 Match Equations and Tape Diagrams

Student Task Statement

Here are two tape diagrams. Match each equation to one of the tape diagrams.





- $4 + x = 12$
- $12 \div 4 = x$
- $4 \cdot x = 12$
- $12 = 4 + x$
- $12 - x = 4$
- $12 = 4 \cdot x$
- $12 - 4 = x$
- $x = 12 - 4$
- $x + x + x + x = 12$

3 Draw Diagrams for Equations

Student Task Statement

For each equation, draw a diagram and find the value of the unknown that makes the equation true.

1. $18 = 3 + x$
2. $18 = 3 \cdot y$