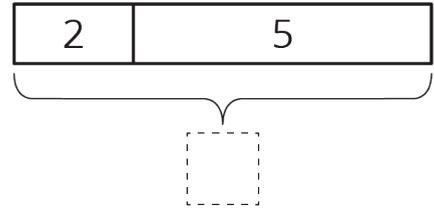
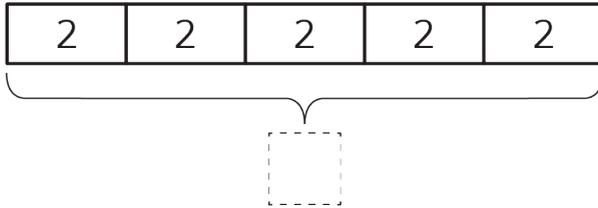


Unit 6 Lesson 1: Tape Diagrams and Equations

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.

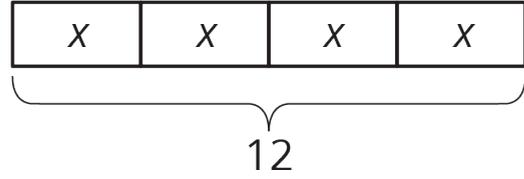
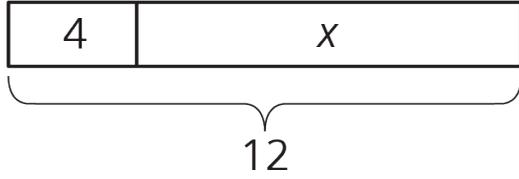
$$4 + 3 = 7$$

$$4 \cdot 3 = 12$$

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. $18 = 3 \cdot y$