## 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 $5⋅2=10$. Which is which? Label the length of each diagram.
* 
1. Draw a diagram that represents each equation.
* $4+3=7$
* $4⋅3=12$

### 2 Match Equations and Tape Diagrams

#### Student Task Statement

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



* $4+x=12$
* $12÷4=x$
* $4⋅x=12$
* $12=4+x$
* $12−x=4$
* $12=4⋅x$
* $12−4=x$
* $x=12−4$
* $x+x+x+x=12$

### 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. $18=3⋅y$



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