## Unit 3 Lesson 8: Reasoning about Solving Equations (Part 2)

### 1 Equivalent to (Warm up)

#### Student Task Statement

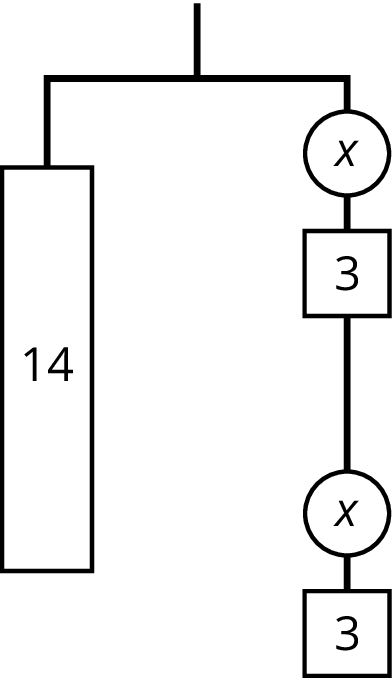
Select **all** the expressions equivalent to .



### 2 Either Or

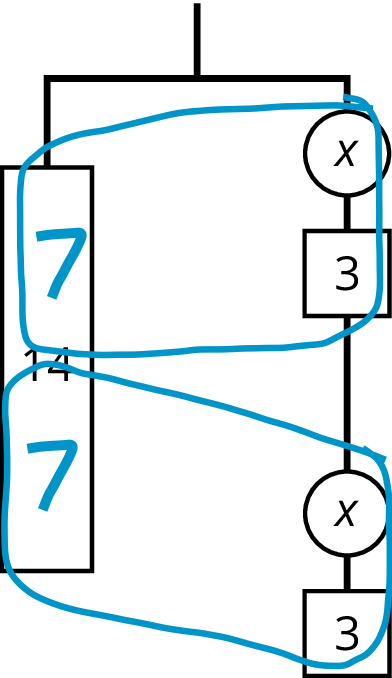
#### Student Task Statement

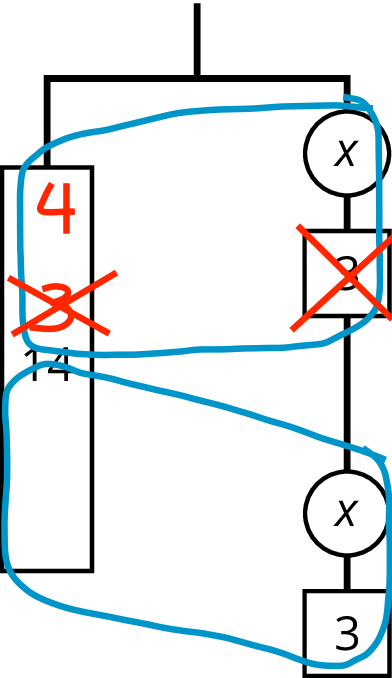
1. Explain why either of these equations could represent this hanger:

* 
* or

1. Find the weight of one circle. Be prepared to explain your reasoning.

#### Activity Synthesis

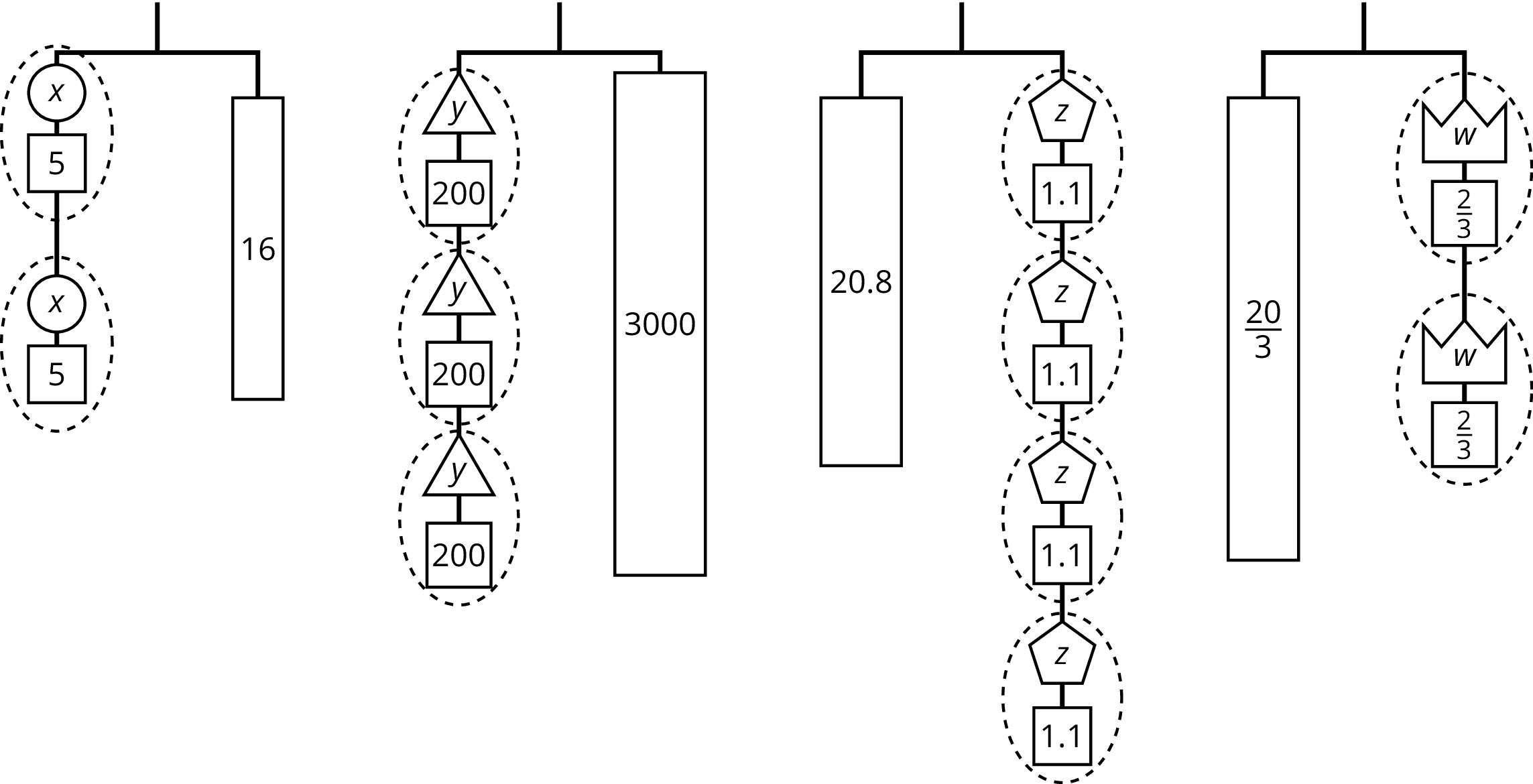




### 3 Use Hangers to Understand Equation Solving, Again

#### Student Task Statement

Here are some balanced hangers. Each piece is labeled with its weight.



For each diagram:

1. Assign one of these equations to each hanger:
2. Explain how to figure out the weight of a piece labeled with a letter by reasoning about the diagram.
3. Explain how to figure out the weight of a piece labeled with a letter by reasoning about the equation.



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