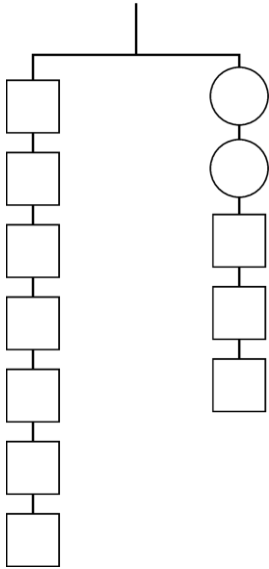


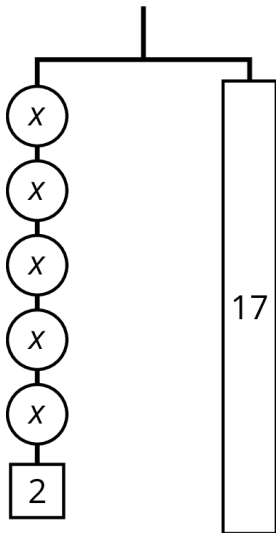
HW: Equations with Hangers



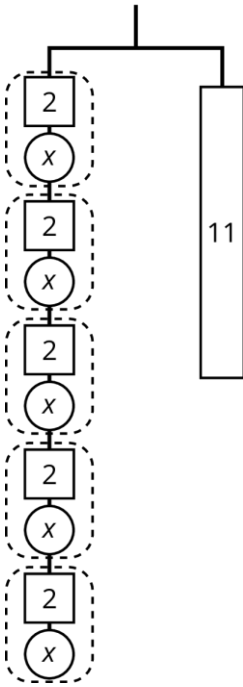
1. Explain how the parts of the balanced hanger compare to the parts of the equation.

$$7 = 2x + 3$$

2. Here is a hanger:



- Write an equation to represent the hanger.
- Draw more hangers to show each step you would take to find x . (Draw each step of your solving as a new hanger.) Explain your reasoning.
- Write an equation to describe each hanger you drew. Describe how each equation matches its hanger.



3. Here is a hanger:

a. Write an equation to represent the hanger.

b. Solve the equation by reasoning about the equation or the hanger. Explain your reasoning.

2. Explain how each part of the equation $9 = 3(x + 2)$ is represented in the hanger.

- x
- 9
- 3
- $x + 2$
- $3(x + 2)$
- the equal sign

