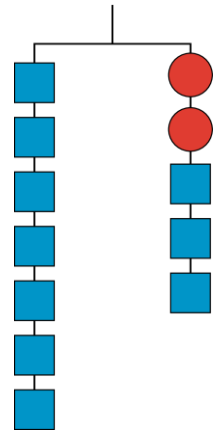


1. Explain how the parts of the balanced hanger compare to the parts of the equation.

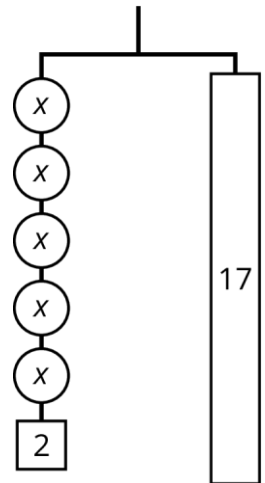
$$7 = 2x + 3$$



2. Here is a hanger:

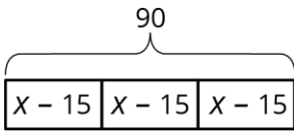
A. Write an equation to represent the hanger.

B. Solve the equation using properties of equality and/or operations. If it helps, draw more hangers to show each step you would take to find x .



C. Verify your solution.

3. A school ordered 3 large boxes of board markers. After giving 15 markers to each of 3 teachers, there were 90 markers left. The diagram represents the situation. Write an equation and solve using properties of equality and operations to find out how many markers were originally in each box. Verify your solution.



4. The diagram can be represented by the equation $25 = 2 + 6x$. Solve the equation using properties of equality and operations. Verify your solution.

