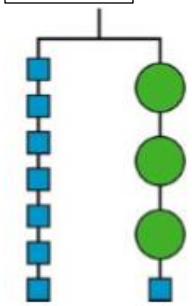
Equations with Hangers Review

Step 1

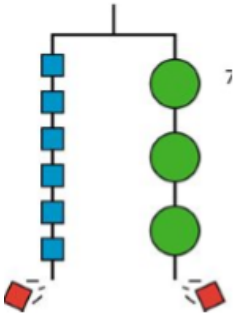


Write an equation show by this hanger.

Each square is worth 1.

Use x to represent a circle.

Step 2



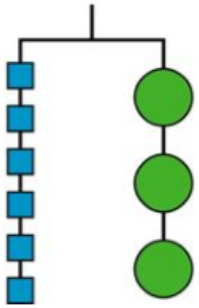
Solving Equations

$$7 = 3x + 1$$
$$-1 \quad -1$$
$$6 = 3x$$

We can remove a weight of 1 unit from each side and the hanger will stay balanced.

This is the same as subtracting 1 from each side of the equation.

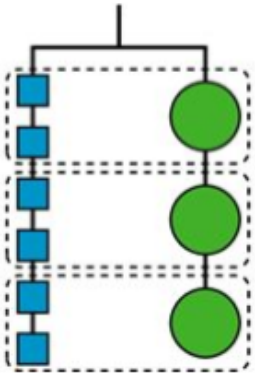
Step 3



$6 = 3x$

Our new hanger & equation after taking away 1 block.

Step 4



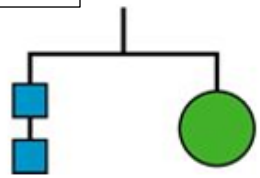
We now need to split both sides of the equation into equal pieces to see how much 1 circle (x) equals.

$$\frac{6}{3} = \frac{3x}{3}$$

Splitting into 3 groups is dividing by 3.

$2 = x$

Step 5



$2 = x$

Our final hanger shows our answer,

x (1 circle) equals 2 (squares).