NAME

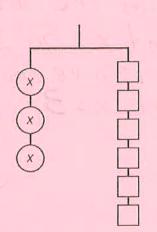
DATE

PERIOD

Chit 6, Lesson 3: Staying in Balance

/23

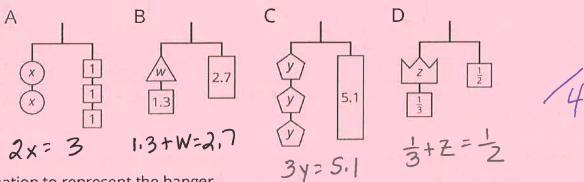
1. Select all the equations that represent the hanger.



15

3x = 6

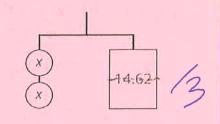
2. Write an equation to represent each hanger.



3. a. Write an equation to represent the hanger.

b. Explain how to reason with the hanger to find the value of x.

There are 2 · x's which have same value as 14.62. So I need to divide 14.62 in half.



c. Explain how to reason with the equation to find the value of x.

I need to do 14.62: 2= 7.31

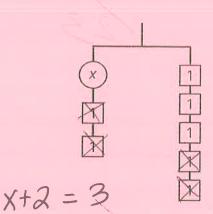
4. Andre says that x is 7 because he can move the two 1s with the x to the other side.

pack

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Do you agree with Andre? Explain your reasoning.

NO- I have to remove the 2 1's from the left balance to find x. So I also have to remove from right side so X=3

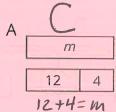
5. Match each equation to one of the diagrams.

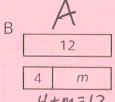
a.
$$12 - m = 4$$

b.
$$12 = 4m$$

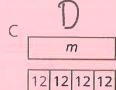
c.
$$m - 4 = 12$$

d.
$$\frac{m}{4} = 12$$

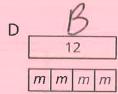




4+11=12



12 12 12 12



6. The area of a rectangle is 14 square units. It has side lengths a and b. Given the following values for a,

find b. 14=213.b

(from Unit 6, Lesson 1)

find b.
$$14 = 2/3 \cdot b$$

 $1. a = 2\frac{1}{3} \quad 14 \div 2\frac{1}{3} = b$
 $14 \div 4 \div 5 = b$
(from Unit 4, Lesson 13) $b = b$

(from Unit 4, Lesson 13) b = b

14= 4= 6

14.5 70=33

7. Lin needs to save up \$20 for a new game. How much money does she have if she has saved the following percentages of her goal. Explain your reasoning.