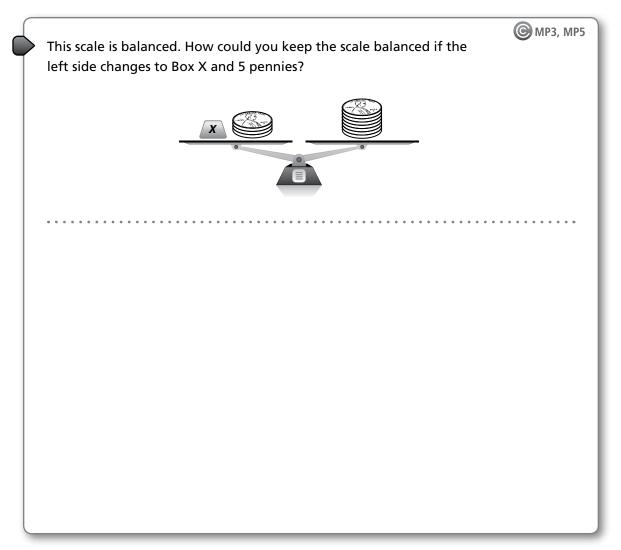
Balancing Equations

Digital Resources

CCSS: 6.EE.A.2: Write, read, and evaluate expressions in which letters stand for numbers.

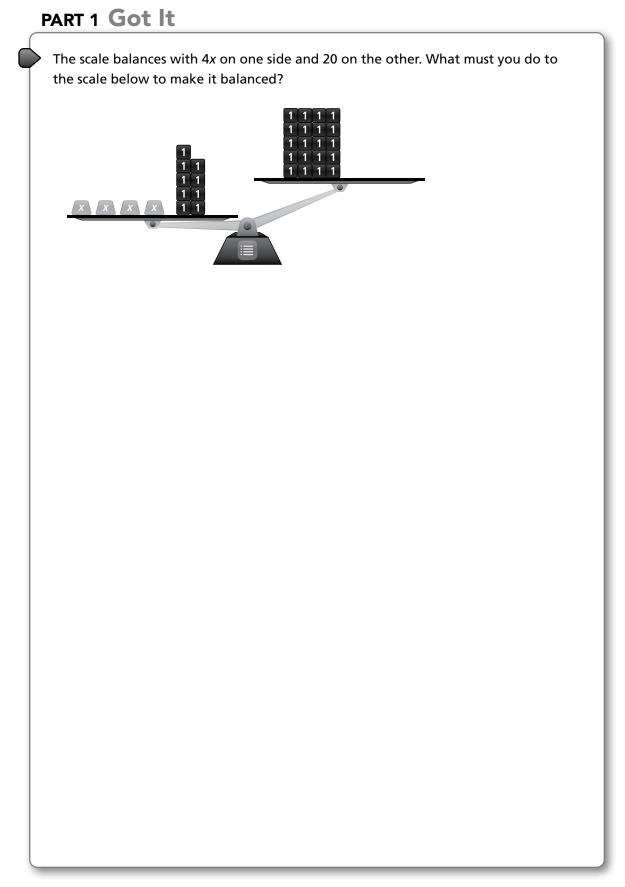
Launch



Reflect How can you change the sides of a balanced scale and keep it balanced?

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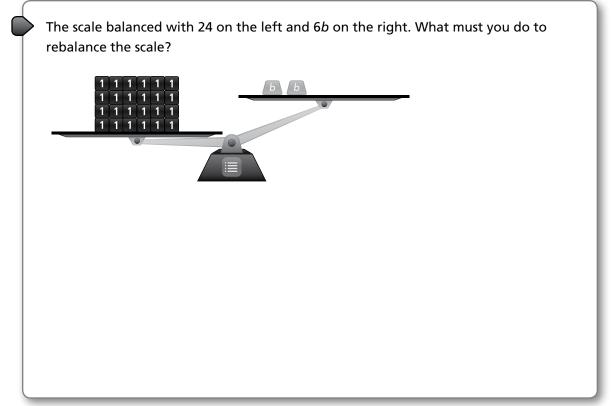
Got It?



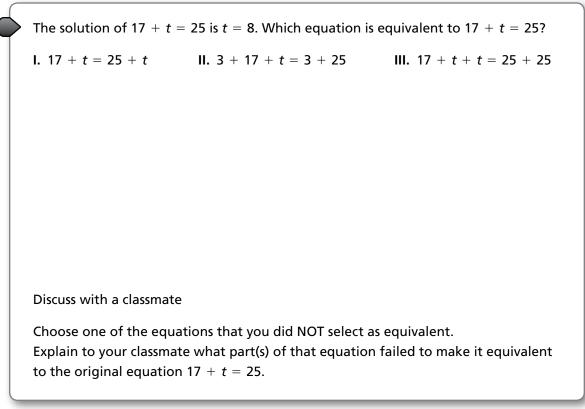
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Got It?

PART 2 Got It

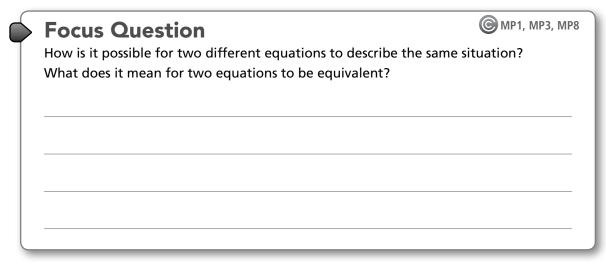


PART 3 Got It



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Close and Check

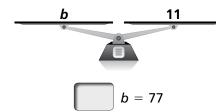




Do you know **HOW**?

1. A scale is balanced with 3a on one side and 9 on the other. What must you do to keep the scale balanced?

2. Use the information on the scale to complete the equivalent equation.



- 3. Which equation is equivalent to 5c + 2 = 12?
 - I. 5c + 2 = 12 + 2

II.
$$5c + 2 - c = 12 - c$$

- III. 2(5c + 2) = 2(12)
- A. I and II
- B. I and III
- C. II and III
- D. all of them

Do you UNDERSTAND?

4. Reasoning Why is it important to do the same thing to both sides when balancing an equation?

5. Error Analysis Describe and correct the error in writing an equivalent equation.

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Topic 3