

Lesson 4: More Balanced Moves

Cool Down: Mis-Steps

Lin solved the equation $8(x - 3) + 7 = 2x(4 - 17)$ incorrectly. Find the errors in her solution. What should her answer have been?

Lin's solution:

$$8(x - 3) + 7 = 2x(4 - 17)$$

$$8(x - 3) + 7 = 2x(13)$$

$$8x - 24 + 7 = 26x$$

$$8x - 17 = 26x$$

$$-17 = 34x$$

$$-\frac{1}{2} = x$$