

MID-TOPIC
CHECKPOINT

Name: _____

1. **Vocabulary** Describe the relationship between equations and the properties of equality. *Lessons 4-1 and 4-2*

In 2–4, write an equation for the situation. Then solve the equation and explain how you solved it.

2. A fraction f multiplied by 4 equals $\frac{1}{2}$. *Lesson 4-5*
3. When 832 is divided by n , the result is 16. *Lesson 4-4*
4. When 10 is subtracted from x , the result is 6. *Lesson 4-3*

5. Which equation is NOT equivalent to $n - 9 = 12$? Select all that apply. *Lesson 4-2*

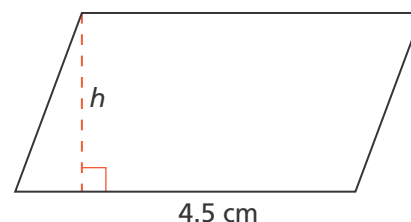
$n - n - 9 = 12 - n$ $n - 9 + 12 = 12 - 9$ $n - 9 + 9 = 12 + 9$

$n - 9 - n = 12 - n$ $n - 9 + 9 = 12 - 12$

6. Which value for d makes the equation $9 = 18 \div d$ true? Select all that apply. *Lesson 4-1*

2 0.5 $\frac{10}{5}$ 162 $\frac{1}{4}$

7. The area, A , of a parallelogram is 15.3 square centimeters. Its base, b , is 4.5 centimeters. The formula for finding the area of a parallelogram is $A = bh$. Write and solve an equation to find the height, h , of the parallelogram. *Lessons 4-4 and 4-5*



How well did you do on the mid-topic checkpoint? Fill in the stars.

