

Name \_\_\_\_\_

**Write Equations**



**COMMON CORE STANDARD—6.EE.B.7**  
*Reason about and solve one-variable equations and inequalities.*

**Write an equation for the word sentence.**

1. 18 is 4.5 times a number.

\_\_\_\_\_  $18 = 4.5n$  \_\_\_\_\_

2. Eight more than the number of children is 24.

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3. The difference of a number and  $\frac{2}{3}$  is  $\frac{3}{8}$ .

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4. A number divided by 0.5 is 29.

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**Write a word sentence for the equation.**

5.  $x - 14 = 52$

\_\_\_\_\_

6.  $2.3m = 0.46$

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7.  $25 = k \div 5$

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8.  $4\frac{1}{3} + q = 5\frac{1}{6}$

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**Problem Solving**



9. An ostrich egg weighs 2.9 pounds. The difference between the weight of this egg and the weight of an emu egg is 1.6 pounds. Write an equation that could be used to find the weight  $w$ , in pounds, of the emu egg.

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10. In one week, the number of bowls a potter made was 6 times the number of plates. He made 90 bowls during the week. Write an equation that could be used to find the number of plates  $p$  that the potter made.

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11. **WRITE** *Math* When writing a word sentence as an equation, explain when to use a variable.

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