Lesson 4 Homework Practice

Solve Two-Step Equations

Solve each equation. Check your solution.

1. $4h + 6 = 30$

2. $\frac{2}{7}y + 5 = -9$

3. $-3t + 6 = 0$

7. $-\frac{1}{5}b - \frac{2}{5} = -2$

8. $-1n + 1 = 11$

9. $\frac{3}{4}f + 5 = -5$

13. KITTENS Kittens weigh about 100 grams when born and gain 7 to 15 grams per day. If a kitten weighed 100 grams at birth and gained 8 grams per day, in how many days will the kitten triple its weight?

14. TEMPERATURE Room temperature ranges from 20°C to 25°C. Find the range of room temperature in °F. Use the formula $F - 32 = 1.8C$ to convert from the Celsius scale to the Fahrenheit scale.

Lesson 6-5 Homework Practice

More Two-Step Equations

Solve each equation. Check your solution.

1. $3(x + 5) = 18$

2. $4(x + 8) = 44$

3. $-5(x - 10) = -35$

7. $\frac{2}{3}(x + 13) = 22$

8. $-\frac{7}{9}(x + 3) = 14$

9. $-\frac{4}{7}\left(x - \frac{1}{4}\right) = \frac{3}{7}$

Write an equation to represent each situation. Then solve the equation.

13. SCHOOL Half of the students in Max's class volunteer at the local community center. Fifteen students do not volunteer. If there are 12 boys in Max's class, how many girls are in his class?

14. GEOMETRY The perimeter of the square shown is $4(x + 3.3)$ meters. What is the value of x if the perimeter is 28 meters?

$(x + 3.3)$ m

15. SUPPLIES Tony spent $60.54 and bought 3 packs of notebooks and a calculator. How much does a pack of notebooks cost if a calculator costs $45.87?