Sample Lesson #3

1. What is the value of x? $\frac{1}{3}x = 21$

2. Solve for x. $6x = 21 - x$

3. $9 > 5 - 4t$ Graph the solution on a number line.

4. Jenny wants to make a bead-bracelet that is 7 inches long. Each bead is two-fifths of an inch long. How many beads are needed for the bracelet?

5. Find the slope and the y-intercept for $y = \frac{7}{6}x + \frac{3}{4}$.

6. $3.6 - 1.79 = ?$

7. Solve to find the value of x. $\frac{x}{10} + 17 = 24$

8. How many grams are in 3 kilograms?

9. Solve for x. $4x - 19 = 17$

10. Write the slope-intercept form of a linear equation.

11. Find the area of the rectangle to the right.

    6 ft

    19 ft

12. Evaluate $\frac{abc}{2} + 8c$ when $a = 2$, $b = 3$, and $c = 4$.

13. Find the percent of change from 40 cm to 25 cm. Round to the nearest whole number.

14. $-4 < k + 1 < 7$ Solve the inequality for k.

15. Find the slope of the line passing through points $(4, -1)$ and $(4, 7)$.

16. $37 - (-12) = ?$

17. Find $\frac{4}{5}$ of 35.

18. Solve the proportion for x. $\frac{5}{8} = \frac{x}{104}$

19. $\frac{4}{5} + \frac{1}{3} = ?$

20. Solve for y. $\frac{2y - 2}{4} = 3$

1.	2.	3.	4.
5.	6.	7.	8.
9.	10.	11.	12.
13.	14.	15.	16.
17.	18.	19.	20.