

Name: \_\_\_\_\_

Heatherwood Mathletes  
Warm-up Exercises: Orange and Green Belts  
January 15, 2004

**Mixed Addition and Subtraction**

$$\begin{array}{r} 34 \\ + 19 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ - 25 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ + 55 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ - 48 \\ \hline \end{array}$$

**Multiplication**

$$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 27 \\ \times 19 \\ \hline \end{array}$$

**Division (express fractions in simplest terms)**

$$20/4 =$$

$$\frac{54}{9} =$$

$$51 \div 7 =$$

**Fractions (express fractions in simplest terms)**

$$\frac{1}{2} + \frac{1}{3} =$$

$$\frac{1}{2} - \frac{1}{4} =$$

$$\frac{2}{5} \times \frac{5}{7} =$$

**Solve for x**

$$x - 5 = 15$$

$$5x - 5 = 10$$

$$5x - 5 = 13$$

## Word Problems

**Problem 1.** What is the number that when you multiply it by 12 and add 16 you get 76?

(a) Write the equation for this problem.

(b) Now solve it for the number.

**Problem 2.** Betty ate five times more candy than Art and twice as much candy as Carl. How many times more candy did Carl eat than Art?

(a) Write an equation for this problem.

(b) Now solve it for how much more candy Carl ate than Art.

(c) If Art ate 4 pieces of candy, how many pieces of candy did Carl eat?