

Name: _____

Heatherwood Mathletes
Warm-up Exercises: Purple Belt
December 2, 2004

Multiplication

$$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ \times 14 \\ \hline \end{array}$$

Division (express fractions in simplest terms)

$$15/3 =$$

$$\frac{42}{6} =$$

$$53 \div 7 =$$

Fractions (express fractions in simplest terms)

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

$$\frac{1}{6} + \frac{2}{3} =$$

$$\frac{1}{4} - \frac{1}{6} =$$

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

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

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

Solve for x

$$x + 5 = 15$$

$$2x = 14$$

$$3x + 5 = 23$$

Algebra Word Problem

Problem 1. What is the number that when you multiply it by 4 and add 4 you get 24? (Write an equation for this problem. Then solve the equation.)