Test 1 Grade 6

Instructions: Solve each problem **showing all your work**. Remember to follow the order of operations (PEMDAS) when needed.

1. A rectangle has an area of 42 square inches and a width of 6 inches. What is the length of the rectangle?

2. List all the factors of 24.

3. Evaluate: $\frac{5}{4} \times \frac{3}{2}$

4. Evaluate: $3 \div \frac{2}{5}$

5. Evaluate: $12 \div 3 + 4 \times 2 - 1$

6. Write the distributive formula for multiplication.

7. Convert $\frac{21}{6}$ to a mixed number.

8. Find the first 5 multiples of 6.

9. Convert $5\frac{1}{2}$ to an improper fraction.

10. Evaluate: $2^3 \times 4 - 12 \div 3$

11. Extra Credit: Evaluate: $\left(5\frac{1}{2}\right) \times \left(3\frac{1}{3}\right)$

12. Extra Credit: Fill in the blank: $(15 + 3) \times 4 = 15 \times 4 + \underline{\hspace{1cm}} \times 4$