Comprehensive Fractions Math Test

Name: _____ **Date:** _____

Convert to Improper Fractions

- $3\frac{2}{5} =$ _____
- $5\frac{1}{3} =$ _____
- $2\frac{4}{7} =$ _____
- $6\frac{3}{8} =$ _____
- $4\frac{5}{6} =$ _____

Convert to Mixed Numbers

- $\frac{17}{4} =$ _____
- $\frac{23}{6} =$ _____
- $\frac{31}{5} =$ _____
- $\frac{29}{8} =$ _____
- $\frac{19}{3} =$ _____

Equivalent Fractions

- $\frac{2}{3} = \frac{\quad}{12}$
- $\frac{3}{4} = \frac{15}{\quad}$
- $\frac{5}{8} = \frac{\quad}{24}$
- $\frac{1}{6} = \frac{4}{\quad}$
- $\frac{7}{10} = \frac{\quad}{30}$

Reduce to Simplest Form

- $\frac{12}{18} =$ _____
- $\frac{20}{25} =$ _____
- $\frac{15}{45} =$ _____
- $\frac{24}{32} =$ _____
- $\frac{18}{27} =$ _____

Addition and Subtraction of Fractions

- $\frac{3}{8} + \frac{2}{8} =$ _____
- $\frac{7}{10} - \frac{3}{10} =$ _____
- $\frac{1}{2} + \frac{1}{4} =$ _____
- $\frac{3}{5} - \frac{1}{10} =$ _____
- $\frac{2}{7} + \frac{3}{14} =$ _____

Sort Fractions in Order

Arrange these fractions from smallest to largest:

$$\frac{3}{4}, \frac{1}{2}, \frac{5}{8}, \frac{7}{8}$$

Answer: ____, ____, ____, ____

Arrange these mixed numbers from largest to smallest:

$$2\frac{1}{12}, 1\frac{5}{6}, 2\frac{1}{6}, 1\frac{1}{2}$$

Answer: ____, ____, ____, ____