

Comprehensive Fractions Math Test

Name: _____

Date: _____

Convert to Improper Fractions

• $4\frac{1}{3} = \underline{\hspace{2cm}}$

• $3\frac{2}{7} = \underline{\hspace{2cm}}$

• $5\frac{3}{5} = \underline{\hspace{2cm}}$

• $2\frac{5}{8} = \underline{\hspace{2cm}}$

• $6\frac{1}{4} = \underline{\hspace{2cm}}$

Convert to Mixed Numbers

• $\frac{19}{5} = \underline{\hspace{2cm}}$

• $\frac{26}{7} = \underline{\hspace{2cm}}$

• $\frac{34}{9} = \underline{\hspace{2cm}}$

• $\frac{25}{6} = \underline{\hspace{2cm}}$

• $\frac{22}{8} = \underline{\hspace{2cm}}$

Equivalent Fractions

• $\frac{1}{4} = \frac{\hspace{1cm}}{16}$

• $\frac{2}{5} = \frac{14}{\hspace{1cm}}$

• $\frac{3}{7} = \frac{\hspace{1cm}}{21}$

• $\frac{5}{6} = \frac{15}{\hspace{1cm}}$

• $\frac{4}{9} = \frac{\hspace{1cm}}{27}$

Reduce to Simplest Form

- $\frac{14}{21} = \underline{\hspace{2cm}}$
- $\frac{18}{24} = \underline{\hspace{2cm}}$
- $\frac{16}{28} = \underline{\hspace{2cm}}$
- $\frac{30}{45} = \underline{\hspace{2cm}}$
- $\frac{21}{35} = \underline{\hspace{2cm}}$

Addition and Subtraction of Fractions

- $\frac{2}{9} + \frac{4}{9} = \underline{\hspace{2cm}}$
- $\frac{8}{11} - \frac{3}{11} = \underline{\hspace{2cm}}$
- $\frac{1}{3} + \frac{1}{6} = \underline{\hspace{2cm}}$
- $\frac{2}{3} - \frac{1}{9} = \underline{\hspace{2cm}}$
- $\frac{3}{8} + \frac{1}{12} = \underline{\hspace{2cm}}$

Sort Fractions in Order

Arrange these fractions from smallest to largest:

$$\frac{2}{3}, \frac{1}{4}, \frac{3}{12}, \frac{5}{6}$$

Answer: $\underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$

Arrange these mixed numbers from largest to smallest:

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

Answer: $\underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}, \underline{\hspace{1cm}}$