

Name _____

Period _____

Fraction Operations Review

Add or subtract. Make sure answers are in lowest terms. **Circle your answers.**

$$1. \quad \begin{array}{r} \frac{3}{8} \\ + \\ \frac{7}{8} \\ \hline \end{array}$$

$$\frac{10}{8} = 1 \frac{2}{8} = \boxed{1 \frac{1}{4}}$$

$$2. \quad \begin{array}{r} \frac{3}{20} \cdot 2 \frac{6}{40} \\ + \\ \frac{6}{8} \cdot 5 \frac{30}{40} \\ \hline \end{array}$$

$$\frac{36}{40} \div 4 = \boxed{\frac{9}{10}}$$

$$3. \quad \begin{array}{r} 9 \frac{3}{5} \cdot 2 \frac{6}{10} \\ + \\ 10 \frac{6}{10} \frac{6}{10} \\ \hline \end{array}$$

$$19 \frac{12}{10} = 20 \frac{2 \div 2}{10 \div 2}$$

$$\boxed{20 \frac{1}{5}}$$

$$4. \quad \begin{array}{r} 17 \frac{4}{8} \cdot 3 \frac{12}{24} \\ - \\ 8 \frac{1}{6} \cdot 4 \frac{4}{24} \\ \hline \end{array}$$

$$9 \frac{8}{24} \div 8 = \boxed{9 \frac{1}{3}}$$

$$5. \quad \begin{array}{r} \frac{13}{15} \frac{13}{15} \\ - \\ \frac{2}{3} \cdot 5 \frac{10}{15} \\ \hline \end{array}$$

$$\frac{3 \div 3}{15 \div 3} = \boxed{\frac{1}{5}}$$

$$6. \quad \begin{array}{r} \cancel{20} \frac{5}{6} \cdot 15 \frac{25}{30} + \frac{30}{30} = \frac{55}{30} \\ - \\ 15 \frac{9}{10} \cdot 3 \frac{27}{30} \frac{27}{30} \\ \hline \end{array}$$

$$4 \frac{28 \div 2}{30 \div 2} = \boxed{4 \frac{14}{15}}$$

$$\begin{array}{r}
 11 \cancel{12} \frac{8}{8} \\
 3 \frac{5}{8}
 \end{array}$$

Forgot to replace what was borrowed

7. Maria struggled with a fraction problem. You be the teacher.

Look at the problem. Figure out the mistake she made, and fix it.

$$\boxed{8 \frac{5}{8}} \quad \boxed{8 \frac{3}{8}}$$

Multiply or divide. Make sure answers are in lowest terms. **Circle your answers.**

8. $\frac{1}{3} \frac{6}{21} \cdot \frac{2}{24} \frac{14}{4}$

$$\frac{2}{12} = \boxed{\frac{1}{6}}$$

9. $6 \cdot 5 \frac{2}{3} \frac{17}{1} = \boxed{34}$

10. $3 \frac{3}{5} \cdot 1 \frac{1}{6}$

$$\frac{3}{5} \cdot \frac{7}{21} = \frac{21}{5} = \boxed{4 \frac{1}{5}}$$

11. $\frac{10}{11} \cdot \frac{2}{3} = \boxed{\frac{20}{33}}$

12. $6 \div \frac{4}{5}$

$$\frac{3}{1} \cdot \frac{5}{2} = \frac{15}{2} = \boxed{7 \frac{1}{2}}$$

13. $3 \frac{1}{5} \div \frac{2}{5}$

$$\frac{8}{5} \cdot \frac{5}{1} = \boxed{8}$$

14. $2 \frac{4}{10} \div 1 \frac{4}{12} \frac{16}{12}$

$$\frac{3}{5} \frac{6}{12} \cdot \frac{18}{10} = \frac{18}{10} = \frac{18 \div 2}{10 \div 2} = \boxed{1 \frac{4}{5}}$$

15. $3 \frac{3}{8}$ of 24 = $\boxed{9}$