

NAME: _____

DATE: _____

OPERATIONS ON FRACTIONS

Evaluate the following operations. Write your answers in lowest term.

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

2 $\frac{3}{5} - \frac{1}{4} =$

3 $\frac{3}{10} + \frac{1}{2} =$

4 $\frac{7}{8} - \frac{2}{4} =$

5 $\frac{1}{2} \times \frac{2}{5} =$

6 $\frac{3}{7} \times \frac{1}{2} =$

7 $\frac{1}{2} \div \frac{1}{6} =$

8 $\frac{1}{5} \div \frac{3}{5} =$

9 $2 \times \frac{5}{6} =$

10 $2\frac{2}{8} \times \frac{3}{4} =$

NAME: _____

DATE: _____

OPERATIONS ON FRACTIONS

Evaluate the following operations. Write your answers in lowest term.

$$\begin{aligned} 1 \quad \frac{1}{2} + \frac{2}{3} &= \frac{3}{6} + \frac{4}{6} \\ &= \frac{7}{6} \\ &= 1\frac{1}{6} \end{aligned}$$

$$\begin{aligned} 2 \quad \frac{3}{5} - \frac{1}{4} &= \frac{15}{20} - \frac{5}{20} \\ &= \frac{10}{20} \\ &= \frac{1}{2} \end{aligned}$$

$$\begin{aligned} 3 \quad \frac{3}{10} + \frac{1}{2} &= \frac{3}{10} + \frac{5}{10} \\ &= \frac{8}{10} \\ &= \frac{4}{5} \end{aligned}$$

$$\begin{aligned} 4 \quad \frac{7}{8} - \frac{2}{4} &= \frac{7}{8} + \frac{4}{8} \\ &= \frac{3}{8} \end{aligned}$$

$$\begin{aligned} 5 \quad \frac{1}{2} \times \frac{2}{5} &= \frac{1 \times 2}{2 \times 5} \\ &= \frac{2}{10} \\ &= \frac{1}{5} \end{aligned}$$

$$\begin{aligned} 6 \quad \frac{3}{7} \times \frac{1}{2} &= \frac{3 \times 1}{7 \times 2} \\ &= \frac{3}{14} \end{aligned}$$

$$\begin{aligned} 7 \quad \frac{1}{2} \div \frac{1}{6} &= \frac{1}{2} \times \frac{6}{1} \\ &= \frac{6}{2} \\ &= 3 \end{aligned}$$

$$\begin{aligned} 8 \quad \frac{1}{5} \div \frac{3}{5} &= \frac{1}{5} \times \frac{5}{3} \\ &= \frac{5}{15} \\ &= \frac{1}{3} \end{aligned}$$

$$\begin{aligned} 9 \quad 2 \times \frac{5}{6} &= \frac{2}{1} \times \frac{5}{6} \\ &= \frac{10}{6} \\ &= 1\frac{4}{6} = 1\frac{2}{3} \end{aligned}$$

$$\begin{aligned} 10 \quad 2\frac{2}{8} \times \frac{3}{4} &= \frac{18}{8} \times \frac{3}{4} \\ &= \frac{54}{32} \\ &= 1\frac{22}{32} = 1\frac{11}{16} \end{aligned}$$