**Adding Fractions (Unlike Denominators) – Practice Set 1**

**Instructions:** Find a common denominator, add, then *simplify*. Convert improper results to mixed numbers.

| | | | |
|---|---|---|---|
| $\frac{1}{3}+\frac{1}{4}=$ | $\frac{2}{5}+\frac{1}{10}=$ | $\frac{3}{8}+\frac{1}{6}=$ | $\frac{5}{12}+\frac{1}{2}=$ |
| $\frac{2}{7}+\frac{3}{14}=$ | $\frac{1}{9}+\frac{2}{3}=$ | $\frac{3}{10}+\frac{1}{4}=$ | $\frac{5}{6}+\frac{1}{8}=$ |
| $\frac{4}{9}+\frac{1}{6}=$ | $\frac{7}{12}+\frac{1}{3}=$ | $\frac{2}{5}+\frac{4}{15}=$ | $\frac{3}{7}+\frac{2}{9}=$ |
| $\frac{5}{8}+\frac{1}{12}=$ | $\frac{1}{2}+\frac{3}{5}=$ | $\frac{2}{3}+\frac{5}{9}=$ | $\frac{4}{7}+\frac{3}{14}=$ |
| $\frac{3}{4}+\frac{2}{9}=$ | $\frac{2}{11}+\frac{3}{22}=$ | $\frac{5}{12}+\frac{7}{18}=$ | $\frac{3}{10}+\frac{5}{12}=$ |
| $\frac{4}{5}+\frac{1}{6}=$ | $\frac{7}{8}+\frac{1}{3}=$ | $\frac{1}{6}+\frac{5}{8}=$ | $\frac{2}{9}+\frac{4}{15}=$ |
| $\frac{5}{7}+\frac{3}{5}=$ | $\frac{3}{11}+\frac{2}{3}=$ | $\frac{7}{9}+\frac{2}{5}=$ | $\frac{5}{12}+\frac{11}{24}=$ |

**Adding Fractions (Unlike Denominators) – Practice Set 2**

**Instructions:** Add and simplify. Convert improper answers to mixed numbers.

| | | | |
|---|---|---|---|
| $\frac{1}{2}+\frac{2}{3}=$ | $\frac{3}{5}+\frac{1}{6}=$ | $\frac{2}{7}+\frac{4}{21}=$ | $\frac{5}{8}+\frac{1}{3}=$ |
| $\frac{4}{9}+\frac{2}{5}=$ | $\frac{7}{10}+\frac{1}{4}=$ | $\frac{5}{12}+\frac{2}{9}=$ | $\frac{3}{4}+\frac{2}{7}=$ |
| $\frac{2}{3}+\frac{5}{12}=$ | $\frac{1}{8}+\frac{3}{10}=$ | $\frac{7}{12}+\frac{5}{18}=$ | $\frac{5}{6}+\frac{3}{14}=$ |
| $\frac{3}{11}+\frac{2}{5}=$ | $\frac{4}{7}+\frac{5}{9}=$ | $\frac{1}{5}+\frac{7}{15}=$ | $\frac{2}{9}+\frac{5}{12}=$ |
| $\frac{5}{14}+\frac{3}{4}=$ | $\frac{3}{8}+\frac{7}{12}=$ | $\frac{2}{15}+\frac{1}{6}=$ | $\frac{7}{9}+\frac{1}{6}=$ |
| $\frac{5}{16}+\frac{1}{4}=$ | $\frac{9}{20}+\frac{1}{5}=$ | $\frac{7}{18}+\frac{2}{3}=$ | $\frac{11}{12}+\frac{1}{8}=$ |
| $\frac{2}{5}+\frac{3}{4}=$ | $\frac{4}{15}+\frac{2}{9}=$ | $\frac{6}{11}+\frac{1}{2}=$ | $\frac{3}{10}+\frac{7}{12}=$ |

**Adding Fractions (Unlike Denominators) – Practice Set 3**

**Instructions:** Add and simplify. Convert improper answers to mixed numbers.

$\frac{3}{10} + \frac{1}{2} =$ $\frac{2}{9} + \frac{1}{3} =$ $\frac{4}{5} + \frac{3}{10} =$ $\frac{7}{12} + \frac{1}{4} =$

$\frac{5}{9} + \frac{1}{6} =$ $\frac{3}{7} + \frac{5}{14} =$ $\frac{2}{11} + \frac{3}{5} =$ $\frac{1}{6} + \frac{2}{15} =$

$\frac{4}{9} + \frac{7}{18} =$ $\frac{5}{8} + \frac{3}{20} =$ $\frac{2}{3} + \frac{1}{4} =$ $\frac{7}{10} + \frac{2}{15} =$

$\frac{1}{12} + \frac{5}{18} =$ $\frac{3}{5} + \frac{2}{9} =$ $\frac{5}{6} + \frac{7}{12} =$ $\frac{1}{4} + \frac{3}{7} =$

$\frac{2}{7} + \frac{5}{8} =$ $\frac{3}{8} + \frac{4}{9} =$ $\frac{7}{15} + \frac{1}{3} =$ $\frac{5}{12} + \frac{3}{20} =$

$\frac{4}{11} + \frac{1}{6} =$ $\frac{2}{5} + \frac{7}{12} =$ $\frac{3}{4} + \frac{2}{9} =$ $\frac{8}{9} + \frac{1}{12} =$

$\frac{5}{7} + \frac{2}{3} =$ $\frac{6}{13} + \frac{1}{2} =$ $\frac{9}{14} + \frac{1}{7} =$ $\frac{7}{9} + \frac{5}{12} =$

**Adding Fractions (Unlike Denominators) – Practice Set 4**

**Instructions:** Add and simplify. Convert improper answers to mixed numbers.

| | | | |
|---|---|---|---|
| $\frac{1}{2}+\frac{3}{7}=$ | $\frac{2}{3}+\frac{1}{8}=$ | $\frac{3}{4}+\frac{2}{9}=$ | $\frac{4}{5}+\frac{3}{14}=$ |
| $\frac{5}{6}+\frac{1}{10}=$ | $\frac{7}{8}+\frac{1}{6}=$ | $\frac{3}{10}+\frac{2}{3}=$ | $\frac{2}{9}+\frac{5}{18}=$ |
| $\frac{5}{12}+\frac{1}{4}=$ | $\frac{7}{15}+\frac{2}{5}=$ | $\frac{1}{6}+\frac{3}{8}=$ | $\frac{2}{11}+\frac{1}{3}=$ |
| $\frac{3}{5}+\frac{4}{9}=$ | $\frac{4}{7}+\frac{1}{2}=$ | $\frac{5}{8}+\frac{1}{12}=$ | $\frac{6}{11}+\frac{1}{4}=$ |
| $\frac{7}{9}+\frac{2}{7}=$ | $\frac{5}{14}+\frac{1}{3}=$ | $\frac{9}{10}+\frac{3}{8}=$ | $\frac{8}{15}+\frac{1}{5}=$ |
| $\frac{11}{12}+\frac{1}{6}=$ | $\frac{3}{7}+\frac{2}{15}=$ | $\frac{2}{5}+\frac{5}{12}=$ | $\frac{4}{9}+\frac{7}{20}=$ |
| $\frac{5}{16}+\frac{3}{8}=$ | $\frac{7}{18}+\frac{1}{12}=$ | $\frac{9}{20}+\frac{1}{4}=$ | $\frac{11}{15}+\frac{2}{9}=$ |

**Adding Fractions (Unlike Denominators) – Practice Set 5**

**Instructions:** Add and simplify. Convert improper answers to mixed numbers.

| | | | |
|---|---|---|---|
| $\frac{1}{3}+\frac{2}{5}=$ | $\frac{2}{7}+\frac{1}{4}=$ | $\frac{3}{8}+\frac{5}{12}=$ | $\frac{4}{9}+\frac{1}{6}=$ |
| $\frac{5}{11}+\frac{2}{3}=$ | $\frac{6}{13}+\frac{1}{2}=$ | $\frac{7}{14}+\frac{3}{5}=$ | $\frac{8}{15}+\frac{1}{10}=$ |
| $\frac{9}{16}+\frac{1}{8}=$ | $\frac{10}{21}+\frac{2}{7}=$ | $\frac{11}{18}+\frac{1}{3}=$ | $\frac{5}{12}+\frac{5}{18}=$ |
| $\frac{3}{10}+\frac{7}{20}=$ | $\frac{2}{9}+\frac{1}{12}=$ | $\frac{7}{9}+\frac{1}{4}=$ | $\frac{5}{8}+\frac{2}{15}=$ |
| $\frac{4}{11}+\frac{3}{22}=$ | $\frac{6}{17}+\frac{1}{34}=$ | $\frac{5}{6}+\frac{1}{8}=$ | $\frac{7}{12}+\frac{2}{5}=$ |
| $\frac{3}{7}+\frac{5}{21}=$ | $\frac{2}{5}+\frac{3}{8}=$ | $\frac{1}{4}+\frac{5}{12}=$ | $\frac{5}{9}+\frac{4}{15}=$ |
| $\frac{7}{8}+\frac{1}{3}=$ | $\frac{4}{5}+\frac{1}{6}=$ | $\frac{2}{3}+\frac{3}{10}=$ | $\frac{1}{2}+\frac{7}{12}=$ |