

# Adding Fractions With Unlike Denominators

Add the following fractions. You will need to convert the fractions so they all have the same denominator.

$$1. \quad \frac{3}{4} + \frac{5}{12} + \frac{1}{6} + \frac{2}{3} =$$
$$\frac{\quad}{12} + \frac{\quad}{12} + \frac{\quad}{12} + \frac{\quad}{12} = \frac{\quad}{12}$$

$$2. \quad \frac{2}{9} + \frac{5}{18} + \frac{2}{3} + \frac{5}{6} =$$
$$\frac{\quad}{18} + \frac{\quad}{18} + \frac{\quad}{18} + \frac{\quad}{18} = \frac{\quad}{18}$$

$$3. \quad \frac{7}{20} + \frac{4}{5} + \frac{3}{4} + \frac{6}{10} =$$
$$\frac{\quad}{20} + \frac{\quad}{20} + \frac{\quad}{20} + \frac{\quad}{20} =$$

$$4. \quad \frac{7}{24} + \frac{7}{12} + \frac{3}{8} + \frac{1}{4} =$$
$$\frac{\quad}{24} + \frac{\quad}{24} + \frac{\quad}{24} + \frac{\quad}{24} =$$

$$5. \quad \frac{1}{6} + \frac{26}{30} + \frac{4}{15} + \frac{7}{10} =$$
$$\frac{\quad}{30} + \frac{\quad}{30} + \frac{\quad}{30} + \frac{\quad}{30} =$$

# Adding Fractions With Unlike Denominators **Answers**

Add the following fractions. You will need to convert the fractions so they all have the same denominator.

1.

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

$$\frac{9}{12} + \frac{5}{12} + \frac{2}{12} + \frac{8}{12} = \frac{24}{12}$$

2.

$$\frac{2}{9} + \frac{5}{18} + \frac{2}{3} + \frac{5}{6} = 2$$

$$\frac{4}{18} + \frac{5}{18} + \frac{12}{18} + \frac{15}{18} = \frac{36}{18}$$

3.

$$\frac{7}{20} + \frac{4}{5} + \frac{3}{4} + \frac{6}{10} = 2 \frac{1}{2}$$

$$\frac{7}{20} + \frac{16}{20} + \frac{15}{20} + \frac{12}{20} = \frac{50}{20}$$

4.

$$\frac{7}{24} + \frac{7}{12} + \frac{3}{8} + \frac{1}{4} = 1 \frac{1}{2}$$

$$\frac{7}{24} + \frac{14}{24} + \frac{9}{24} + \frac{6}{24} = \frac{36}{24}$$

5.

$$\frac{1}{6} + \frac{26}{30} + \frac{4}{15} + \frac{7}{10} = 2$$

$$\frac{5}{30} + \frac{26}{30} + \frac{8}{30} + \frac{21}{30} = \frac{60}{30}$$

# Adding Fractions With Unlike Denominators

Add the following fractions. You will need to convert the fractions so they all have the same denominator.

1.

$$\frac{3}{5} + \frac{5}{8} + \frac{1}{10} + \frac{1}{4} =$$
$$\frac{\quad}{40} + \frac{\quad}{40} + \frac{\quad}{40} + \frac{\quad}{40} = \frac{\quad}{40}$$

2.

$$\frac{2}{3} + \frac{5}{9} + \frac{1}{5} + \frac{13}{15} = \underline{\quad}$$
$$\frac{\quad}{45} + \frac{\quad}{45} + \frac{\quad}{45} + \frac{\quad}{45} = \frac{\quad}{45}$$

3.

$$\frac{7}{8} + \frac{5}{6} + \frac{1}{4} + \frac{2}{3} = \underline{\quad}$$
$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

4.

$$\frac{7}{16} + \frac{7}{12} + \frac{7}{8} + 1\frac{1}{6} = \underline{\quad}$$
$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

5.

$$\frac{31}{18} + \frac{5}{12} + 6\frac{1}{2} + \frac{7}{9} = \underline{\quad}$$
$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$$

# Adding Fractions With Unlike Denominators **Answers**

Add the following fractions. You will need to convert the fractions so they all have the same denominator.

1.

$$\frac{3}{5} + \frac{5}{8} + \frac{1}{10} + \frac{1}{4} = 1 \frac{23}{40}$$

$$\frac{24}{40} + \frac{25}{40} + \frac{4}{40} + \frac{10}{40} = \frac{63}{40}$$

2.

$$\frac{2}{3} + \frac{5}{9} + \frac{1}{5} + \frac{13}{15} = 2 \frac{13}{45}$$

$$\frac{30}{45} + \frac{25}{45} + \frac{9}{45} + \frac{39}{45} = \frac{103}{45}$$

3.

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

$$\frac{21}{24} + \frac{20}{24} + \frac{6}{24} + \frac{16}{24} = \frac{63}{24}$$

4.

$$\frac{7}{16} + \frac{7}{12} + \frac{7}{8} + 1 \frac{1}{6} = 3 \frac{3}{48}$$

$$\frac{21}{48} + \frac{28}{48} + \frac{42}{48} + \frac{56}{48} = \frac{147}{48}$$

5.

$$\frac{31}{18} + \frac{5}{12} + 6 \frac{1}{2} + \frac{7}{9} = 9 \frac{15}{36}$$

$$\frac{62}{36} + \frac{15}{36} + \frac{234}{36} + \frac{28}{36} = \frac{339}{36}$$

# Adding Fractions With Unlike Denominators

Add the following fractions. You will need to convert the fractions so they all have the same denominator.

1.  $\frac{1}{4} + \frac{2}{7} + \frac{3}{8} + \frac{2}{5} = \underline{\quad}$

$\frac{\quad}{280} + \frac{\quad}{280} + \frac{\quad}{280} + \frac{\quad}{280} = \underline{\quad}$

2.  $\frac{4}{9} + \frac{1}{10} + \frac{1}{2} + \frac{2}{3} = \underline{\quad}$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} = \underline{\quad}$

3.  $\frac{7}{12} + 2\frac{4}{5} + 3\frac{1}{3} + \frac{3}{4} = \underline{\quad}$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} = \underline{\quad}$

4.  $1\frac{3}{4} + \frac{3}{11} + 3\frac{3}{8} + \frac{11}{12} = \underline{\quad}$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} = \underline{\quad}$

5.  $\frac{11}{16} + 11\frac{3}{5} + \frac{2}{4} + 4\frac{7}{17} = \underline{\quad}$

$\frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} + \frac{\quad}{\quad} = \underline{\quad}$

# Adding Fractions With Unlike Denominators **Answers**

Add the following fractions. You will need to convert the fractions so they all have the same denominator.

$$\begin{aligned} 1. \quad & \frac{1}{4} + \frac{2}{7} + \frac{3}{8} + \frac{2}{5} = 1 \frac{87}{280} \\ & \frac{70}{280} + \frac{80}{280} + \frac{105}{280} + \frac{112}{280} = \frac{367}{280} \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{4}{9} + \frac{1}{10} + \frac{1}{2} + \frac{2}{3} = 1 \frac{32}{45} \\ & \frac{40}{90} + \frac{9}{90} + \frac{45}{90} + \frac{60}{90} = \frac{154}{90} \end{aligned}$$

$$\begin{aligned} 3. \quad & \frac{7}{12} + 2 \frac{4}{5} + 3 \frac{1}{3} + \frac{3}{4} = 7 \frac{7}{15} \\ & \frac{35}{60} + \frac{168}{60} + \frac{200}{60} + \frac{45}{60} = \frac{448}{60} \end{aligned}$$

$$\begin{aligned} 4. \quad & 1 \frac{3}{4} + \frac{3}{11} + 3 \frac{3}{8} + \frac{11}{12} = 6 \frac{83}{264} \\ & \frac{462}{264} + \frac{72}{264} + \frac{891}{264} + \frac{242}{264} = \frac{1667}{264} \end{aligned}$$

$$\begin{aligned} 5. \quad & \frac{11}{16} + 11 \frac{3}{5} + \frac{2}{4} + 4 \frac{7}{17} = 17 \frac{271}{1360} \\ & \frac{935}{1360} + \frac{15776}{1360} + \frac{680}{1360} + \frac{6000}{1360} = \frac{23391}{1360} \end{aligned}$$