Practice

Find the LCD and then add.

Building Skills

Add.

1. $\dfrac{1}{4} + \dfrac{2}{3} =$

$\dfrac{3}{12} + \dfrac{8}{12}$

$\dfrac{11}{12}$

2. $\dfrac{1}{2} + \dfrac{3}{5} =$

$\dfrac{5}{10} + \dfrac{6}{10}$

$\dfrac{11}{10} = 1\dfrac{1}{10}$

3. $\dfrac{3}{8} + \dfrac{1}{6} =$

$\dfrac{9}{24} + \dfrac{4}{24}$

$\dfrac{13}{24}$

4. $3\dfrac{5}{8} + 2\dfrac{1}{6} =$

$5 + \dfrac{15}{24} + \dfrac{4}{24}$

$5 + \dfrac{19}{24}$

$5\dfrac{19}{24}$

5. $3\dfrac{1}{2} + 4\dfrac{2}{5} =$

$7 + \dfrac{5}{10} + \dfrac{4}{10}$

$7\dfrac{9}{10}$

6. $6\dfrac{2}{3} + 2\dfrac{3}{5} =$

$8 + \dfrac{10}{15} + \dfrac{9}{15}$

$8 + \dfrac{19}{15}$

$9\dfrac{4}{15}$

Subtract.

1. $\dfrac{7}{10} - \dfrac{1}{2} =$

$\dfrac{7}{10} - \dfrac{5}{10}$

$\dfrac{2}{10} = \dfrac{1}{5}$

2. $\dfrac{2}{3} - \dfrac{1}{6} =$

$\dfrac{4}{6} - \dfrac{1}{6}$

$\dfrac{3}{6} = \dfrac{1}{2}$

3. $\dfrac{4}{5} - \dfrac{1}{10} =$

$\dfrac{8}{10} - \dfrac{1}{10}$

$\dfrac{7}{10}$

4. $4\dfrac{3}{4} - 2\dfrac{2}{3} =$

$4 + -2 + \dfrac{9}{12} + -\dfrac{8}{12}$

$2 + \dfrac{1}{12}$

$2\dfrac{1}{12}$

5. $3\dfrac{1}{4} - 1\dfrac{1}{2} =$

$3 + -1 + \dfrac{1}{4} + -\dfrac{2}{4}$

$2 + \dfrac{-1}{4}$

$1\dfrac{3}{4}$

6. $6\dfrac{3}{8} - 2\dfrac{7}{8} =$

$5\dfrac{11}{8} - 2\dfrac{7}{8}$

$3\dfrac{1}{2}$

Multiply.

1. $\dfrac{5}{8} \times \dfrac{16}{25} =$

$\dfrac{2}{5}$

2. $\dfrac{3}{4} \times \dfrac{1}{3} =$

$\dfrac{1}{4}$

3. $\dfrac{2}{5} \times \dfrac{1}{6} =$

$\dfrac{1}{15}$

4. $5\dfrac{1}{4} \times 2\dfrac{4}{7} =$

$\dfrac{21}{4} \cdot \dfrac{18}{7}$

$\dfrac{27}{2} = 13\dfrac{1}{2}$

5. $6\dfrac{1}{2} \times 3\dfrac{1}{5} =$

$\dfrac{13}{2} \cdot \dfrac{16}{5}$

$\dfrac{104}{5} = 20\dfrac{4}{5}$

6. $3\dfrac{3}{4} \times 1\dfrac{1}{15} =$

$\dfrac{15}{4} \cdot \dfrac{16}{15}$

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Divide.

1. $\dfrac{5}{6} \div \dfrac{1}{3} =$

$\dfrac{5}{6} \cdot \dfrac{3}{1}$

$\dfrac{5}{2} = 2\dfrac{1}{2}$

2. $\dfrac{3}{4} \div \dfrac{1}{2} =$

$\dfrac{3}{4} \cdot \dfrac{2}{1}$

$\dfrac{3}{2} = 1\dfrac{1}{2}$

3. $\dfrac{9}{10} \div \dfrac{1}{4} =$

$\dfrac{9}{10} \cdot \dfrac{4}{1}$

$\dfrac{18}{5} = 3\dfrac{3}{5}$

4. $4\dfrac{1}{2} \div 3\dfrac{1}{3} =$

$\dfrac{9}{2} \div \dfrac{10}{3}$

$\dfrac{9}{2} \cdot \dfrac{3}{10}$

$\dfrac{27}{20} = 1\dfrac{7}{20}$

5. $3\dfrac{3}{4} \div 1\dfrac{2}{5} =$

$\dfrac{15}{4} \div \dfrac{7}{5}$

$\dfrac{15}{4} \cdot \dfrac{5}{7}$

$\dfrac{75}{28} = 2\dfrac{19}{28}$

6. $4\dfrac{1}{6} \div 1\dfrac{7}{8} =$

$\dfrac{25}{6} \div \dfrac{15}{8}$

$\dfrac{25}{6} \cdot \dfrac{8}{15}$

$\dfrac{20}{9} = 2\dfrac{2}{9}$