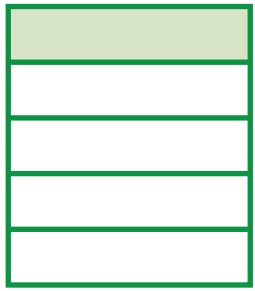
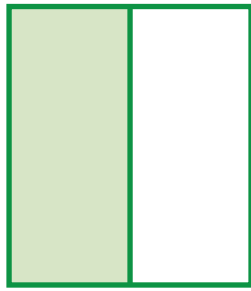


5th Grade Fractions



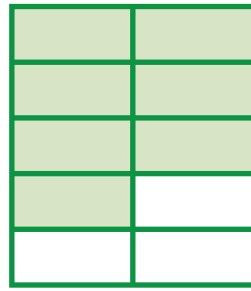
$$\frac{1}{5}$$

+



$$\frac{1}{2}$$

=



$$\frac{7}{10}$$

Adding Unlike Fractions

$$\frac{a}{b} + \frac{c}{d} = \frac{ad + bc}{bd}$$

Subtracting Unlike Fractions

$$\frac{a}{b} - \frac{c}{d} = \frac{ad - bc}{bd}$$

Workbook 1

Adding Proper Fractions

1) $\frac{3}{8} + \frac{1}{4} =$

2) $\frac{2}{3} + \frac{8}{9} =$

3) $\frac{5}{6} + \frac{7}{12} =$

4) $\frac{4}{10} + \frac{3}{5} =$

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

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

7) $\frac{7}{11} + \frac{2}{5} =$

8) $\frac{1}{4} + \frac{4}{7} =$

9) $\frac{2}{3} + \frac{2}{6} =$

10) $\frac{3}{5} + \frac{1}{2} =$

11) $\frac{1}{4} + \frac{11}{12} =$

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

13) $\frac{4}{5} + \frac{2}{3} =$

14) $\frac{1}{2} + \frac{3}{8} =$

Adding Improper Fractions

1) $\frac{5}{2} + \frac{7}{4} =$

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

3) $\frac{8}{6} + \frac{5}{3} =$

4) $\frac{8}{7} + \frac{7}{2} =$

5) $\frac{9}{8} + \frac{11}{10} =$

6) $\frac{7}{5} + \frac{9}{4} =$

7) $\frac{10}{7} + \frac{3}{2} =$

8) $\frac{4}{3} + \frac{11}{6} =$

9) $\frac{6}{5} + \frac{5}{3} =$

10) $\frac{5}{4} + \frac{10}{9} =$

11) $\frac{11}{4} + \frac{10}{8} =$

12) $\frac{9}{2} + \frac{7}{6} =$

13) $\frac{8}{7} + \frac{9}{5} =$

14) $\frac{5}{3} + \frac{5}{2} =$

Adding Mixed Numbers

$$\begin{array}{r} 1) \quad 6\frac{5}{6} \\ + 8\frac{7}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 9\frac{1}{15} \\ + 1\frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 5\frac{6}{7} \\ + 4\frac{10}{14} \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 1\frac{1}{3} \\ + 2\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 7\frac{6}{8} \\ + 5\frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 8\frac{2}{9} \\ + 5\frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9\frac{1}{3} \\ + 7\frac{4}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 6\frac{2}{6} \\ + 5\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 2\frac{1}{4} \\ + 1\frac{5}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 1\frac{3}{5} \\ + 1\frac{8}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 5\frac{7}{20} \\ + 2\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 4\frac{3}{4} \\ + 3\frac{9}{16} \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 2\frac{2}{9} \\ + 2\frac{5}{18} \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 7\frac{3}{4} \\ + 3\frac{3}{16} \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 4\frac{2}{3} \\ + 5\frac{4}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 6\frac{1}{2} \\ + 2\frac{2}{14} \\ \hline \end{array}$$

Adding Unlike Fractions

1) $1\frac{2}{5} + 7\frac{6}{20} =$

2) $\frac{9}{14} + \frac{3}{7} =$

3) $\frac{17}{16} + \frac{9}{8} =$

4) $5\frac{5}{6} + \frac{8}{12} =$

5) $\frac{13}{9} + 4\frac{2}{3} =$

6) $\frac{4}{6} + \frac{11}{2} =$

7) $2\frac{2}{10} + \frac{1}{2} =$

8) $\frac{2}{3} + \frac{13}{18} =$

9) $5\frac{6}{9} + 2\frac{2}{6} =$

10) $\frac{19}{14} + 1\frac{5}{7} =$

11) $\frac{4}{15} + \frac{17}{10} =$

12) $\frac{1}{2} + \frac{9}{18} =$

13) $9\frac{3}{5} + \frac{2}{3} =$

14) $1\frac{2}{12} + 1\frac{1}{4} =$

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Subtracting Fractions

1) $4 - \frac{19}{12} =$

2) $8 - 2\frac{11}{15} =$

3) $3 - 1\frac{8}{17} =$

4) $5 - \frac{13}{18} =$

5) $2 - \frac{4}{7} =$

6) $4 - \frac{12}{5} =$

7) $9 - 4\frac{19}{20} =$

8) $6 - \frac{9}{14} =$

9) $7 - \frac{9}{6} =$

10) $3 - 2\frac{15}{16} =$

11) $5 - \frac{1}{3} =$

12) $9 - \frac{23}{10} =$

13) $6 - 2\frac{10}{13} =$

14) $7 - \frac{6}{11} =$

Missing Fractions

1) - $\frac{18}{27} = \frac{1}{9}$

2) - $\frac{20}{16} = 8\frac{5}{8}$

3) $7\frac{11}{12}$ - = $7\frac{1}{6}$

4) $\frac{32}{26}$ - = $\frac{2}{13}$

5) - $\frac{14}{22} = 1$

6) - $1\frac{2}{8} = 2\frac{1}{4}$

7) $\frac{5}{6}$ - = $\frac{1}{2}$

8) $3\frac{4}{5}$ - = $3\frac{1}{15}$

9) - $\frac{32}{30} = 4\frac{8}{15}$

10) - $\frac{12}{4} = \frac{8}{5}$

11) - $\frac{7}{21} = \frac{4}{3}$

12) $9\frac{2}{3}$ - = $8\frac{1}{6}$

13) $4\frac{5}{6}$ - = $2\frac{1}{2}$

14) - $\frac{9}{10} = \frac{11}{30}$

Solve

Find the value of the variable in each problem.

1) $\frac{m}{3} - \frac{8}{9} = \frac{7}{9}$ $m = \square$

2) $4\frac{10}{12} - \frac{1}{6} = \frac{14}{p}$ $p = \square$

3) $\frac{7}{4} - \frac{1}{2} = \frac{a}{4}$ $a = \square$

4) $2\frac{7}{8} - 1\frac{x}{16} = \frac{5}{4}$ $x = \square$

5) $\frac{29}{20} - \frac{3}{10} = 1\frac{3}{d}$ $d = \square$

6) $\frac{z}{15} - \frac{4}{5} = \frac{2}{15}$ $z = \square$

7) $6\frac{5}{n} - 4\frac{2}{3} = 2\frac{1}{6}$ $n = \square$

8) $\frac{11}{9} - \frac{17}{r} = \frac{5}{18}$ $r = \square$

9) $\frac{17}{8} - 1\frac{1}{2} = \frac{y}{8}$ $y = \square$

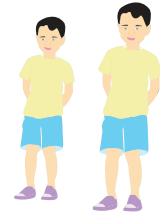
10) $\frac{11}{q} - \frac{3}{4} = \frac{1}{6}$ $q = \square$

Subtracting Unlike Fractions

- 1) Brooke watched a YouTube video that featured a Filipino chicken recipe. She bought $5\frac{3}{4}$ pounds of chicken from the local store. If the recipe called for $2\frac{1}{2}$ pounds of chicken, how many pounds of chicken remain unused?



- 2) Noah stood $55\frac{2}{3}$ inches tall on his tenth birthday. If he stood $58\frac{1}{2}$ inches on his eleventh birthday, how much taller has Noah grown over the past year?



- 3) Macy jogged and walked a total of $\frac{37}{9}$ miles in Central Park today. If she jogged a distance of $\frac{8}{3}$ miles, how many miles did Macy walk?



- 4) Dave and Sam take a tour of a chocolate factory in Hershey, PA. Dave bought $\frac{11}{20}$ pounds of chocolate and Sam purchased $\frac{7}{10}$ pounds of chocolates. How many more pounds of chocolate did Sam purchase than Dave?



- 5) Amelia took an online practice test and attempted two-thirds of the total number of questions. If one-sixth of the questions attempted were incorrect, what fraction of questions did she get right?