Name : _____ Score : _____

Solve

Like fractions: S1

Find the value of the variable in each problem.

1) $\frac{25}{18} - \frac{19}{18} = \frac{1}{b}$ b = ☐

2) $6\frac{p}{7} - 2\frac{2}{7} = \frac{32}{7}$ p = ☐

3) $\frac{5}{2} - \frac{n}{2} = 2$ n = ☐

4) $3\frac{11}{14} - \frac{9}{x} = 3\frac{1}{7}$ x = ☐

5) $\frac{18}{20} - \frac{13}{20} = \frac{r}{4}$ r = ☐

6) $\frac{17}{9} - \frac{m}{9} = \frac{5}{9}$ m = ☐

7) $8\frac{11}{15} - 6\frac{9}{15} = \frac{32}{d}$ d = ☐

8) $\frac{y}{4} - 1\frac{1}{4} = 1\frac{1}{4}$ y = ☐

9) $\frac{21}{19} - \frac{c}{19} = \frac{3}{19}$ c = ☐

10) $\frac{5}{6} - \frac{2}{6} = \frac{a}{2}$ a = ☐

Name : _____ Score : _____

Answer key

Solve

Like fractions: S1

Find the value of the variable in each problem.

1) $\frac{25}{18} - \frac{19}{18} = \frac{1}{b}$ b = **3**

2) $6\frac{p}{7} - 2\frac{2}{7} = \frac{32}{7}$ p = **6**

3) $\frac{5}{2} - \frac{n}{2} = 2$ n = **1**

4) $3\frac{11}{14} - \frac{9}{x} = 3\frac{1}{7}$ x = **14**

5) $\frac{18}{20} - \frac{13}{20} = \frac{r}{4}$ r = **1**

6) $\frac{17}{9} - \frac{m}{9} = \frac{5}{9}$ m = **12**

7) $8\frac{11}{15} - 6\frac{9}{15} = \frac{32}{d}$ d = **15**

8) $\frac{y}{4} - 1\frac{1}{4} = 1\frac{1}{4}$ y = **10**

9) $\frac{21}{19} - \frac{c}{19} = \frac{3}{19}$ c = **18**

10) $\frac{5}{6} - \frac{2}{6} = \frac{a}{2}$ a = **1**

Name : _____ Score : _____

Solve

Like fractions: S2

Find the value of the variable in each problem.

1) $\frac{39}{12} - 1\frac{z}{12} = \frac{17}{12}$ z = ☐

2) $\frac{16}{17} - \frac{11}{17} = \frac{q}{17}$ q = ☐

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

4) $\frac{b}{13} - \square$ ☐

5) $\frac{8}{3} - \square$ ☐

6) $3\frac{9}{10} - \square$ ☐

7) $1\frac{4}{a} - \square$ ☐

8) $\frac{23}{11} - \frac{\square}{11} = \frac{\square}{11}$ ☐

9) $\frac{5}{9} - \frac{2}{9} = \frac{1}{d}$ d = ☐

10) $\frac{p}{16} - \frac{12}{16} = \frac{7}{16}$ p = ☐

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Name : _____ Score : _____

Answer key

Solve

Like fractions: S2

Find the value of the variable in each problem.

1) $\frac{39}{12} - 1\frac{z}{12} = \frac{17}{12}$ z = **10**

2) $\frac{16}{17} - \frac{11}{17} = \frac{q}{17}$ q = **5**

3) $7\frac{7}{8} - \frac{3}{\quad} = \frac{1}{\quad}$ **?**

4) $\frac{b}{13} -$ **9**

5) $\frac{8}{3} -$

6) $3\frac{9}{10} -$ **3**

7) $1\frac{4}{a} -$

8) $\frac{23}{11} -$ **0**

9) $\frac{5}{9} - \frac{2}{9} = \frac{1}{d}$ d = **3**

10) $\frac{p}{16} - \frac{12}{16} = \frac{7}{16}$ p = **19**

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Name : _____ Score : _____

Solve

Like fractions: S3

Find the value of the variable in each problem.

1) $4\frac{4}{5} - 1\frac{1}{5} = \frac{n}{5}$ n = ☐

2) $\frac{21}{20} - \frac{x}{20} = \frac{1}{4}$ x = ☐

3) $\frac{p}{13} - \frac{3}{\quad} = \frac{6}{\quad}$ ☐

4) $\frac{15}{7} -$ ☐

5) $\frac{9}{4} -$ ☐

6) $\frac{22}{15} -$ ☐

7) $6\frac{15}{16} -$ ☐

8) $\frac{23}{9} - \frac{\quad}{9} = \frac{\quad}{9}$ ☐

9) $\frac{d}{2} - \frac{6}{2} = \frac{3}{2}$ d = ☐

10) $\frac{31}{19} - 1\frac{1}{19} = \frac{z}{19}$ z = ☐

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Name : _____ Score : _____

Answer key

Solve

Like fractions: S3

Find the value of the variable in each problem.

1) $4\frac{4}{5} - 1\frac{1}{5} = \frac{n}{5}$ n = **18**

2) $\frac{21}{20} - \frac{x}{20} = \frac{1}{4}$ x = **16**

3) $\frac{p}{13} - \frac{3}{\quad} = \frac{6}{\quad}$ **9**

4) $\frac{15}{7} -$ **7**

5) $\frac{9}{4} -$ **3**

6) $\frac{22}{15} -$ **8**

7) $6\frac{15}{16} -$ **4**

8) $\frac{23}{9} - \frac{\quad}{9} = \frac{\quad}{9}$ **10**

9) $\frac{d}{2} - \frac{6}{2} = \frac{3}{2}$ d = **9**

10) $\frac{31}{19} - 1\frac{1}{19} = \frac{z}{19}$ z = **11**

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Name : _____ Score : _____

Solve

Unlike fractions: S1

Find the value of the variable in each problem.

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

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

3) $\frac{7}{4} - \frac{1}{a}$ ☐

4) $2\frac{7}{8} -$ ☐

5) $\frac{29}{20} -$ ☐

6) $\frac{z}{15} -$ ☐

7) $6\frac{5}{n} -$ ☐

8) $\frac{11}{9} - \frac{r}{18}$ ☐

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

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

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Name : _____ Score : _____

Answer key

Solve

Unlike fractions: S1

Find the value of the variable in each problem.

1) $\frac{m}{3} - \frac{8}{9} = \frac{7}{9}$ m = **5**

2) $4\frac{10}{12} - \frac{1}{6} = \frac{14}{p}$ p = **3**

3) $\frac{7}{4} - \frac{1}{a}$ **5**

4) $2\frac{7}{8} -$ **0**

5) $\frac{29}{20} -$ **0**

6) $\frac{z}{15} -$ **4**

7) $6\frac{5}{n} -$ **5**

8) $\frac{11}{9} - \frac{r}{18}$ **8**

9) $\frac{17}{8} - 1\frac{1}{2} = \frac{y}{8}$ y = **5**

10) $\frac{11}{q} - \frac{3}{4} = \frac{1}{6}$ q = **12**

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Name : _____ Score : _____

Solve

Unlike fractions: S2

Find the value of the variable in each problem.

1) $\frac{13}{b} - \frac{2}{7} = \frac{9}{14}$ b = ☐

2) $\frac{33}{15} - 1\frac{1}{20} = 1\frac{x}{20}$ x = ☐

3) $6\frac{3}{4} - \frac{3}{2} = \frac{11}{4}$ ☐

4) $\frac{y}{6}$ – ☐

5) $\frac{8}{9}$ – ☐

6) $4\frac{13}{14}$ – ☐

7) $\frac{8}{3}$ – ☐

8) $3\frac{d}{4}$ – ☐

9) $\frac{19}{z} - \frac{5}{8} = \frac{9}{16}$ z = ☐

10) $\frac{9}{2} - \frac{7}{6} = \frac{10}{a}$ a = ☐

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Name : _____ Score : _____

Answer key

Solve

Unlike fractions: S2

Find the value of the variable in each problem.

1) $\frac{13}{b} - \frac{2}{7} = \frac{9}{14}$ b = **14**

2) $\frac{33}{15} - 1\frac{1}{20} = 1\frac{x}{20}$ x = **3**

3) $6\frac{3}{4} - \frac{3}{2} = \frac{11}{4}$ **3**

4) $\frac{y}{6} -$ **9**

5) $\frac{8}{9} -$ **3**

6) $4\frac{13}{14} -$ **3**

7) $\frac{8}{3} -$ **1**

8) $3\frac{d}{4} -$ **3**

9) $\frac{19}{z} - \frac{5}{8} = \frac{9}{16}$ z = **16**

10) $\frac{9}{2} - \frac{7}{6} = \frac{10}{a}$ a = **3**

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Name : _____ Score : _____

Solve

Unlike fractions: S3

Find the value of the variable in each problem.

1) $6\frac{17}{18} - 3\frac{5}{6} = \frac{a}{9}$ a = ☐

2) $\frac{8}{2} - 2\frac{7}{12} = 1\frac{x}{12}$ x = ☐

3) $\frac{p}{16}$ – 3 3 ☐

4) $\frac{8}{3}$ – ☐

5) $\frac{13}{10}$ – ☐

6) $1\frac{4}{5}$ – ☐

7) $\frac{5}{c}$ – ☐

8) $\frac{z}{12}$ – 6 4 ☐

9) $7\frac{1}{2} - 5\frac{1}{8} = 2\frac{r}{8}$ r = ☐

10) $\frac{9}{4} - \frac{21}{d} = 1\frac{1}{5}$ d = ☐

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Name : _____ Score : _____

Answer key

Solve

Unlike fractions: S3

Find the value of the variable in each problem.

1) $6\frac{17}{18} - 3\frac{5}{6} = \frac{a}{9}$ a = **28**

2) $\frac{8}{2} - 2\frac{7}{12} = 1\frac{x}{12}$ x = **5**

3) $\frac{p}{16} - \frac{3}{\quad} = \frac{3}{\quad}$ **15**

4) $\frac{8}{3} -$ **5**

5) $\frac{13}{10} -$ **5**

6) $1\frac{4}{5} -$ **1**

7) $\frac{5}{c} -$ **3**

8) $\frac{z}{12} - \frac{\quad}{6} = \frac{\quad}{4}$ **7**

9) $7\frac{1}{2} - 5\frac{1}{8} = 2\frac{r}{8}$ r = **3**

10) $\frac{9}{4} - \frac{21}{d} = 1\frac{1}{5}$ d = **20**

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