Name : _____ Score : _____

One-Step Equations: Fractions

Add/Sub Level 2: S1

Solve each equation.

1) $\frac{9}{2} = b - 1\frac{5}{6}$

2) $-10 = d + \frac{3}{8}$

3) $h + \frac{7}{3} = 13$

4) $n - 1 = 7\frac{8}{9}$

5) $-\frac{6}{5} = q - \frac{1}{9}$

6) $\frac{8}{7} = s + \frac{3}{2}$

7) $u + 8\frac{1}{2} = \frac{3}{4}$

8) $y - 6 = \frac{7}{8}$

9) $3\frac{1}{6} = w - 2\frac{2}{7}$

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

Name : _____ Score : _____

Answer Key

One-Step Equations: Fractions

Add/Sub Level 2: S1

Solve each equation.

1) $\frac{9}{2} = b - 1\frac{5}{6}$

$b = \frac{38}{6}$ or $\frac{19}{3}$ or $6\frac{1}{3}$

2) $-10 = d + \frac{3}{8}$

$d = -\frac{83}{8}$ or $-10\frac{3}{8}$

3) $h + \frac{7}{3} = 13$

$h = \frac{32}{3}$ or $10\frac{2}{3}$

4) $n - 1 = 7\frac{8}{9}$

$n = \frac{80}{9}$ or $8\frac{8}{9}$

5) $-\frac{6}{5} = q - \frac{1}{9}$

$q = -\frac{49}{45}$ or $-1\frac{4}{45}$

6) $\frac{8}{7} = s + \frac{3}{2}$

$s = -\frac{5}{14}$

7) $u + 8\frac{1}{2} = \frac{3}{4}$

$u = -\frac{31}{4}$ or $-7\frac{3}{4}$

8) $y - 6 = \frac{7}{8}$

$y = \frac{55}{8}$ or $6\frac{7}{8}$

9) $3\frac{1}{6} = w - 2\frac{2}{7}$

$w = \frac{229}{42}$ or $5\frac{19}{42}$

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

$z = -\frac{1}{15}$

Name : _____ Score : _____

One-Step Equations: Fractions

Add/Sub Level 2: S2

Solve each equation.

1) $12 = r - 3\frac{3}{5}$

2) $-2 = m - \frac{9}{8}$

3) $\frac{7}{9} + u = \frac{6}{7}$

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$= -\frac{1}{6}$

5) $k - 5\frac{1}{3} = 8\frac{1}{2}$

9

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

$\frac{4}{3}$

9) $7 = 5\frac{2}{9} + p$

10) $q - \frac{5}{2} = 6\frac{3}{4}$

Name : _____ Score : _____

Answer Key

One-Step Equations: Fractions

Add/Sub Level 2: S2

Solve each equation.

1) $12 = r - 3\frac{3}{5}$

$r = \frac{78}{5}$ or $15\frac{3}{5}$

2) $-2 = m - \frac{9}{8}$

$m = -\frac{7}{8}$

3) $\frac{7}{9} + u = \frac{6}{7}$

$u = \frac{5}{63}$

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

or $4\frac{7}{12}$

5) $k - 5\frac{1}{3} = 8\frac{1}{2}$

$k = \frac{83}{6}$ or 1

6) 9

or $-8\frac{3}{4}$

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

$c = -\frac{73}{35}$ or $-2\frac{3}{35}$

8) $\frac{4}{3}$

$z = \frac{15}{6}$ or $\frac{5}{2}$ or $2\frac{1}{2}$

9) $7 = 5\frac{2}{9} + p$

$p = \frac{16}{9}$ or $1\frac{7}{9}$

10) $q - \frac{5}{2} = 6\frac{3}{4}$

$q = \frac{37}{4}$ or $9\frac{1}{4}$

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Name : _____ Score : _____

One-Step Equations: Fractions

Add/Sub Level 2: S3

Solve each equation.

1) $\frac{7}{2} + a = \frac{8}{9}$

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

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

5) $m - 2\frac{6}{7} = \frac{7}{4}$

7) $-15 = r - 4\frac{2}{3}$

9) $1 + v = \frac{9}{5}$

10) $c - 3\frac{5}{8} = \frac{1}{6}$

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Answer Key

One-Step Equations: Fractions

Add/Sub Level 2: S3

Solve each equation.

1) $\frac{7}{2} + a = \frac{8}{9}$

$a = -\frac{47}{18}$ or $-2\frac{11}{18}$

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

$x = \frac{5}{12}$

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

$g = \frac{92}{15}$ or e

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

or $-1\frac{8}{21}$

5) $m - 2\frac{6}{7} = \frac{7}{4}$

$\frac{3}{5}$

$m = \frac{129}{28}$ or

or $13\frac{2}{5}$

7) $-15 = r - 4\frac{2}{3}$

$+ 8\frac{1}{2}$

$r = -\frac{31}{3}$ or $-10\frac{1}{3}$

$t = -\frac{11}{4}$ or $-2\frac{3}{4}$

9) $1 + v = \frac{9}{5}$

$v = \frac{4}{5}$

10) $c - 3\frac{5}{8} = \frac{1}{6}$

$c = \frac{91}{24}$ or $3\frac{19}{24}$

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