

Name: Class:

Solve one-step with decimals, fractions and mixed numbers

1. Find the value of u .
 $u \times 6 = 1/2$.

2. Find the value of w .
 $\frac{3}{17} + w = \frac{10}{17}$

3. Find the value of n .
 $n + 3.5 = 6.5$

4. Find the value of u .
 $7.4 = u - 3.6$

5. Find the value of s .
 $0.5s = 10.25$

Find the value of the variables in the following expressions and choose the most correct answer.

1. $x + 13.75 = 16.7$ $x = ?$ ☐ -2.95 ☐ -3.95 ☐ 2.95 ☐ 3.95

2. $\frac{1}{3} + w = \frac{1}{3}$ $w = ?$ ☐ $1/3$ ☐ $2/3$ ☐ 2 ☐ 0

3. $t(2.5) = 232.102$ $t = ?$ ☐ 92.808 ☐ 92.8408 ☐ 232.12 ☐ 2.5

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Solve one-step with decimals, fractions and mixed numbers

1. Find the value of u .

$$u \times 6 = 1/2.$$

$$u = 1/2 \div 6$$

Find reciprocal of 6 and then multiply.

$$u = 1/2 \div 6$$

$$u = \frac{1}{2} \times \frac{1}{6}$$

$$u = \frac{1}{12}$$

2. Find the value of w .

$$\frac{3}{17} + w = \frac{10}{17}$$

 Subtract $\frac{3}{17}$ from both sides to solve for w .

$$\left(\frac{3}{17} - \frac{3}{17}\right) + w = \frac{10}{17} - \frac{3}{17}$$

$$w = \frac{10 - 3}{17}$$

$$w = \frac{7}{17}$$

3. Find the value of n .

$$n + 3.5 = 6.5$$

 Subtract 3.5 from both sides to solve for n .

$$n + (3.5 - 3.5) = 6.5 - 3.5$$

$$n = 3$$

4. Find the value of u .

$$7.4 = u - 3.6$$

 Add 3.6 to both sides to solve for u .

$$7.4 + 3.6 = u - 3.6 + 3.6$$

$$7.4 + 3.6 = u + (-3.6 + 3.6)$$

$$u = 11$$

5. Find the value of s .

$$0.5s = 10.25$$

 Divide by 0.5 on both sides to solve for s .

$$\frac{0.5s}{0.5} = \frac{10.25}{0.5}$$

$$s = \frac{10.25 \div 0.5}{0.5 \div 0.5}$$

$$s = 20.5$$

Find the value of the variables in the following expressions and choose the most correct answer.

1. $x + 13.75 = 16.7$ $x = ?$

☐ -2.95

☐ -3.95

☒ 2.95

☐ 3.95

2. $\frac{1}{3} + w = \frac{1}{3}$ $w = ?$

☐ $1/3$

☐ $2/3$

☐ 2

☒ 0

3. $t(2.5) = 232.102$ $t = ?$

☐ 92.808

☒ 92.8408

☐ 232.12

☐ 2.5