

1st 5
SOLVE.

1. $x - 3 = 10$ $x = 13$
 $\begin{array}{r} +3 \quad +3 \\ x-3 = 10 \\ \hline x+0 = 13 \end{array}$

2. $5 = y + 2$ $y = 3$
 $\begin{array}{r} -2 \quad -2 \\ 5 = y+2 \\ \hline 3 = y+0 \end{array}$

3. $2x = 10$ $x = 5$
 $\begin{array}{r} \frac{2x}{2} = \frac{10}{2} \\ 1x = 5 \end{array}$

Equations Day 2

PW 16
ANSWERS

1) 8 15) 5.6
3) -16 17) 21
5) 10 19) -96
7) -42 21) 0
9) 15 23) $15 + J = 33$; 18 yw. old
11) 22 25) $11.23E = 89,000$; 7925 mi
13) 12 27) -7

29) 9 37) 29.6
31) -17.9 39) -7
33) $\frac{1}{2}$ 41) -32
35) -50.4 43) -49.7

45) -24
47) 18
49) 59

Equations Day 2

33) $x + \frac{1}{3} = \frac{5}{6}$
 $\begin{array}{r} -\frac{1}{3} \quad -\frac{1}{3} \\ x + \frac{1}{3} = \frac{5}{6} \\ \hline x + 0 = \end{array}$

$\frac{5}{6} - \frac{1.2}{3 \cdot 2} = \frac{5}{6} - \frac{2}{6} = \frac{3}{6} = \frac{1}{2}$

Equations Day 2

25) $J = 89,000 \text{ mi}$ (49)

$\frac{89,000}{11.23} = \frac{11.23E}{11.23}$
 $7,925.20 = E$

$19.5 = -39.5 + f$
 $\begin{array}{r} +39.5 \quad +39.5 \\ 19.5 = -39.5 + f \\ \hline 59.0 = 0 + f \end{array}$
 $59 = f$

Equations Day 2

45) $5x = 4.8 \cdot 5$
 $1x = 24.0$
 $x = 24$

Equations Day 2

49) $19.5 = -39.5 + f$
 $\begin{array}{r} +39.5 \quad +39.5 \\ 19.5 = -39.5 + f \\ \hline 59.0 = 0 + f \end{array}$
 $59 = f$

Jan 31-9:25 AM

Undo add/subtr. Undo mult/div

Solving Two – Step Equations

- Solve $10 = \frac{m}{4} + 2$

$$\begin{array}{r} -2 \\ \hline 8 = \frac{m}{4} + 0 \\ 4 \cdot 8 = \frac{m}{4} \cdot 4 \\ 32 = \frac{4m}{4} \rightarrow 1m \\ \hline 32 = m \end{array}$$
- Solve $7 = 2y - 3$

$$\begin{array}{r} +3 \\ \hline 10 = 2y + 0 \\ \frac{10}{2} = \frac{2y}{2} \\ 5 = 1y \\ \hline 5 = y \end{array}$$

Equations Day 2

Get the variable by itself.

Solving Two – Step Equations

- Solve $-b + 6 = -11$

$$\begin{array}{r} -6 \\ \hline -b + 0 = -17 \\ -1b = -17 \\ \hline \frac{-1b}{-1} = \frac{-17}{-1} \\ \hline b = 17 \end{array}$$
- Solve $4 = -c + 11$

$$\begin{array}{r} -11 \\ \hline -7 = -c + 0 \\ -7 = -c \\ \hline \frac{-7}{-1} = \frac{-c}{-1} \\ \hline 7 = c \end{array}$$

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Solving Two – Step Equations

- $1 = \frac{k}{12} + 5$

$$\begin{array}{r} -5 \\ \hline -4 = \frac{k}{12} + 0 \\ 12 \cdot -4 = \frac{k}{12} \cdot 12 \\ \hline -48 = k \end{array}$$
- $8 - 3y = 14$

$$\begin{array}{r} -8 \\ \hline 0 - 3y = 6 \\ -3y = 6 \\ \hline \frac{-3y}{-3} = \frac{6}{-3} \\ \hline y = -2 \end{array}$$

Equations Day 2

Solving Two – Step Equations

- $1 = \frac{k-3}{12}$

$$\begin{array}{r} +3 \\ \hline 12 = k - 3 \\ \hline 15 = k \end{array}$$
- $\frac{12+y}{2} = 14$

$$\begin{array}{r} -12 \\ \hline 0 + y = 16 \\ \hline y = 16 \end{array}$$

Equations Day 2

PW 17

- Worksheet 2-step equations
- **TURN IN TODAY**

Equations Day 2