

3.6 Solving Equations  
Containing Decimals

p. 174      12-4-17

$$\begin{array}{r} \text{A. } n - 2.75 = 8.30 \\ +2.75 \quad +2.75 \\ \hline n = 11.05 \end{array}$$

Nov 18-9:34 AM

Nov 18-9:11 AM

$$\begin{array}{r} \text{B. } a + 32.66 = 42.00 \\ -32.66 \quad -32.66 \\ \hline a = 9.34 \end{array}$$

$$\begin{array}{r} \text{A. } n - 1.46 = -4.70 \\ +1.46 \quad +1.46 \\ \hline n = -3.24 \end{array}$$

$$\begin{array}{r} 4.70 \\ -1.46 \\ \hline 3.24 \end{array}$$

Nov 18-9:34 AM

Jan 4-3:29 PM

$$\text{B. } a + 27.51 = 36$$

$$\frac{9}{3.6} = \frac{3.6d}{3.6}$$

$$9 \div 3.6$$

$$\begin{array}{r} 1 \\ 36 \\ \times 2 \\ \hline 72 \\ 336 \\ \hline 180 \end{array}$$

$$\begin{array}{r} 2.5 \\ 3.6 \overline{) 9.00} \\ \underline{72} \phantom{0} \\ 180 \\ \underline{180} \\ 0 \end{array}$$

Jan 4-3:29 PM

Nov 18-9:34 AM

Solve.

$$(4.8) \frac{x}{4.8} = 5.4 (4.8)$$

$$\begin{array}{r} 3 \phantom{0} \\ 5.4 \\ \times 4.8 \\ \hline 432 \\ 2160 \\ \hline 2592 \end{array} \quad x = 25.92$$

Jan 4-3:30 PM

Solve.

$$(3.5) \frac{x}{3.5} = 2.4 (3.5)$$

$$\begin{array}{r} 2 \phantom{0} \\ 2.4 \\ \times 3.5 \\ \hline 120 \\ 720 \\ \hline 840 \end{array} \quad x = 8.40$$

$$8.4$$

Nov 18-9:34 AM

Solve.

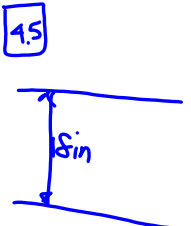
$$\frac{9}{2.5} = \frac{2.5d}{2.5}$$

$$2.5 \overline{) 9.00} \quad d = 3.6$$

$$\begin{array}{r} 3.6 \\ 2.5 \overline{) 9.00} \\ \underline{-7.5} \phantom{0} \\ 1.50 \\ \underline{-1.50} \\ 0 \end{array}$$

Jan 4-3:31 PM

A canned good is 4.5 inches tall. A grocery store has shelving measuring 18 inches vertically in which to store the cans. How many cans can be stacked in the space?

$$4.5 \overline{) 18}$$


Jan 4-3:31 PM

Solve.

- $x - 14.23 = 19.5$   
 $+14.23 \quad +14.23$
- $12.6c = -103.32$   
 $\frac{12.6}{12.6} \quad \frac{-103.32}{12.6}$
- $\frac{x}{9.3} = 6.1$  (9.3)  $-14.35 + 12.97$
- $m + 12.97 = -14.35$   
 $-12.97 \quad -12.97$
- The French Club is selling coupon books for \$8.25 each. How many books must be sold to bring in \$5,940?

$$8.25 \overline{) 5940}$$

Jan 4-3:32 PM