

Solving Equations:

1. $x + 3 = 17$
 $\begin{array}{r} x + 3 = 17 \\ -3 \quad -3 \\ \hline x = 14 \end{array}$
2. $3\left(\frac{x}{3}\right) = (-5) \cdot 3$
 $\boxed{x = -15}$
3. $5\left(\frac{2x}{5}\right) = (6) \cdot 5$
 $\begin{array}{r} 2x = 30 \\ \frac{2x}{2} = \frac{30}{2} \\ \hline x = 15 \end{array}$
4. $\frac{-5x}{-5} = \frac{20}{-5}$
 $\boxed{x = -4}$
5. $5\left(\frac{4}{5}m\right) = (28) \cdot 5$
 $\begin{array}{r} 4m = 140 \\ \frac{4m}{4} = \frac{140}{4} \\ \hline m = 35 \end{array}$
6. $2x + 3 = 15$
 $\begin{array}{r} 2x + 3 = 15 \\ -3 \quad -3 \\ \hline 2x = 12 \\ \frac{2x}{2} = \frac{12}{2} \\ \hline x = 6 \end{array}$
7. $\frac{1}{2}a - 5 = 18$
 $\begin{array}{r} \frac{1}{2}a - 5 = 18 \\ +5 \quad +5 \\ \hline \frac{1}{2}a = 23 \\ 2\left(\frac{1}{2}a\right) = (23) \cdot 2 \\ \hline a = 46 \end{array}$
8. $3\left(\frac{x-7}{3}\right) = (-12) \cdot 3$
 $\begin{array}{r} x - 7 = -36 \\ +7 \quad +7 \\ \hline x = -29 \end{array}$
9. $-t + 8 = 3$
 $\begin{array}{r} -t + 8 = 3 \\ -8 \quad -8 \\ \hline -t = -5 \\ \frac{-t}{-1} = \frac{-5}{-1} \\ \hline t = 5 \end{array}$
10. $-x - 4(2 + 3x) = 5$
 $\begin{array}{r} -x - 8 - 12x = 5 \\ -13x - 8 = 5 \\ +8 \quad +8 \\ \hline -13x = 13 \\ \frac{-13x}{-13} = \frac{13}{-13} \\ \hline x = -1 \end{array}$

11. The junior class is selling granola bars to raise money. They purchased 1250 granola bars and paid a delivery fee of \$25. The total cost, including the delivery fee, was \$800. What was the cost of each granola bar?

$$\begin{array}{r} 1250x + 25 = 800 \\ -25 \quad -25 \\ \hline 1250x = 775 \\ \frac{1250x}{1250} = \frac{775}{1250} \\ \hline x = 0.62 \end{array}$$

The cost of each granola bar was \$0.62.