

Notes: Intro to Word Problems

1.) Let $x = a \#$

$$\begin{array}{r} x + 8 = 20 \\ -8 \quad -8 \\ \hline x = 12 \end{array}$$

The number is 12.

2.) Let $n = a \#$

$$\begin{array}{r} n - 12 = -3 \text{ yds} \\ +12 \quad +12 \\ \hline n = 9 \end{array}$$

The number is 9.

5.) Let $x = a \#$

$$\begin{array}{r} x - 10 = 23 \\ +10 \quad +10 \\ \hline x = 33 \end{array}$$

The number is 33.

word problems *nov 2*
continued...

1.) Let $x = a \#$

$$\begin{array}{r} 5x + 2 = 77 \\ \underline{-2 \quad -2} \\ 5x = 75 \\ \underline{5 \quad 5} \\ x = 15 \end{array}$$

The number is 15.

2.) Let $x = a \#$

$$\begin{array}{r} \frac{1}{3}x + 5 = -2 \quad \text{SA} \\ \underline{-5 \quad -5} \\ \frac{1}{3}x = -7 \quad (3) \\ \underline{3 \quad 3} \\ x = -21 \end{array}$$

The number is -21.

4.) Let $x = a \#$

$$\begin{array}{r} 16 + 2x = -56 \quad \text{SA} \\ \underline{-16 \quad -16} \\ 2x = -72 \\ \underline{2 \quad 2} \\ x = -35 \end{array}$$

The number is -35.