

Properties of Subtraction

Subtraction is used when we want to take away, or compare amounts. Subtraction can be shown in two ways:

$$\begin{array}{r} 9 \text{ minuend} \\ -1 \text{ subtrahend} \\ \hline 8 \text{ difference} \end{array}$$

Vertical Form

$$9 \text{ (minuend)} - 1 \text{ (subtrahend)} = 8 \text{ (difference)}$$

Horizontal Form

Subtraction properties help us find differences.

ZERO PROPERTY OF SUBTRACTION

The difference between any number and zero is that number.

$$6 - 0 = 6$$

The difference between any number and itself is zero.

$$8 - 8 = 0$$



THE OPPOSITES PROPERTY

Subtraction "undoes" addition, and addition "undoes" subtraction.

$$8 + 9 = 17, \text{ so } 17 - 9 = 8$$

and

$$11 + 5 = 16, \text{ so } 16 - 5 = 11$$

- 1 Find each difference. Label the first problem with the following terms: minuend, subtrahend, or difference.

$$\begin{array}{r} 14 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ -8 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ -6 \\ \hline \end{array}$$

$$16 - 6 = \underline{\hspace{2cm}}$$

$$13 - 5 = \underline{\hspace{2cm}}$$

$$4 - 2 = \underline{\hspace{2cm}}$$