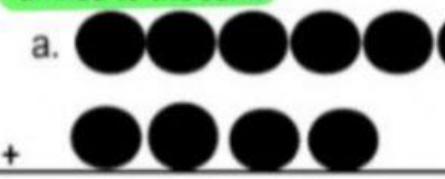
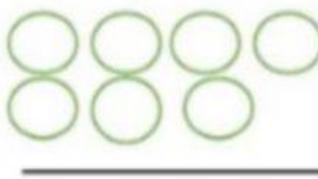


## Addition of Integers

### Rules in Addition of Integers

1. If the addends have the same sign, the numbers are added, and the common sign is affixed to the sum.

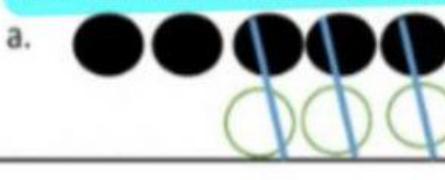
Ex: a.   $(+7)$   
$$\begin{array}{r} + \\ \hline \end{array}$$
  
$$\begin{array}{r} + (+4) \\ + 11 \\ \hline \end{array}$$

b.   $(-4)$   
$$\begin{array}{r} + (-3) \\ -7 \\ \hline \end{array}$$

c.  $(+45) + (+23) = 78$

d.  $(-57) + (-25) = -82$

2. If the addends have different sign, the signs are first disregarded and the difference between the numbers is obtained. The sign of the greater number is affixed to the answer.

Ex: a.   $(+5)$   
$$\begin{array}{r} + (-3) \\ + 2 \\ \hline \end{array}$$

b.  $(+89) + (-34) = +55$   
c.  $(-94) + (+43) = -51$

**DIRECTIONS:** Find the sum of the numbers using the rules of addition given above.

### Activity 1

1.  $10 + (-9) =$
2.  $-22 + 13 =$
3.  $-18 + 6 =$
4.  $30 + (-30) =$
5.  $-20 + 17 =$

### Activity 2

6.  $-35 + (-5) =$
7.  $22 + 13 =$
8.  $-45 + (-45) =$
9.  $-38 + (-60) =$
10.  $20 + 17 =$