

## SUBTRACTING INTEGERS - A

### EXAMPLE #1

$$3 - (-5) = \boxed{3} - \boxed{-5} = \cancel{\textcolor{red}{+} +} \cancel{\textcolor{red}{-} -} \cancel{\textcolor{red}{+} +} \cancel{\textcolor{red}{-} -} = \boxed{8}$$

HELPFUL NOTES:

Subtraction is negative.  
Example:  $4 - 6 = -2$   
 $4 + (-6) = -2$

You have three options:  
1) Use red  
2) Change the sign  
3) Use negatives

ANSWER:

Two negatives  
cancel each other out.

Three  
negatives  
left.

### EXAMPLE #2

$$-4 - (-1) = \boxed{-4} - \boxed{-1} = \cancel{\textcolor{red}{+} +} \cancel{\textcolor{red}{-} -} \cancel{\textcolor{red}{+} +} \cancel{\textcolor{red}{-} -} = \cancel{\textcolor{red}{+} +} \cancel{\textcolor{red}{+} +} = \boxed{3}$$

You have three choices:  
1) Use red  
2) Change the sign  
3) Use negatives

Two positives  
cancel each other out.

One positive  
left.

TWO NEGATIVES MAKE A POSITIVE.



HOMEWORK:

1.  $2 - (-3) = \boxed{2} - \boxed{-3} =$   


2.  $-3 - (-4) = \boxed{-3} - \boxed{-4} =$   


3.  $-(-5) - (-4) = \boxed{-(-5)} - \boxed{(-4)} =$   


4.  $-(-3) - (-4) = \boxed{-(-3)} - \boxed{(-4)} =$   


5.  $0 - (-2) = \boxed{0} - \boxed{(-2)} =$   


6.  $-(-2) - (-7) = \boxed{-(-2)} - \boxed{(-7)} =$   


7.  $-(-3) - (-2) = \boxed{-(-3)} - \boxed{(-2)} =$   


8.  $0 - (-3) = \boxed{0} - \boxed{(-3)} =$   


9.  $-4 - (-4) = \boxed{-4} - \boxed{(-4)} =$   


10.  $-(-7) - (-7) = \boxed{-(-7)} - \boxed{(-7)} =$   


11.  $-(-5) - (-5) = \boxed{-(-5)} - \boxed{(-5)} =$   


12.  $0 - (-24) = \boxed{0} - \boxed{(-24)} =$   


13.  $-4 - (-4) = \boxed{-4} - \boxed{(-4)} =$   


14.  $-(-5) - (-5) = \boxed{-(-5)} - \boxed{(-5)} =$   


15.  $-6 - (-1) = \boxed{-6} - \boxed{(-1)} =$   


16.  $-(-6) - (-4) = \boxed{-(-6)} - \boxed{(-4)} =$   


17.  $-(-40) - (-20) = \boxed{-(-40)} - \boxed{(-20)} =$   


18.  $-2 - (-7) = \boxed{-2} - \boxed{(-7)} =$   


19.  $5 - (-5) = \boxed{5} - \boxed{(-5)} =$   


20.  $-(-50) - (-10) = \boxed{-(-50)} - \boxed{(-10)} =$   


21.  $2 - (-8) = \boxed{2} - \boxed{(-8)} =$   


22.  $-4 - (-20) = \boxed{-4} - \boxed{(-20)} =$   


23.  $(-3) - (-5) = \boxed{(-3)} - \boxed{(-5)} =$   


24.  $-(-1) - (-8) = \boxed{-(-1)} - \boxed{(-8)} =$   


25.  $-(-40) - (-4) = \boxed{-(-40)} - \boxed{(-4)} =$   


26.  $5 - (-30) = \boxed{5} - \boxed{(-30)} =$   
