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## HW 1-4

## SUBTRACTING INTEGERS

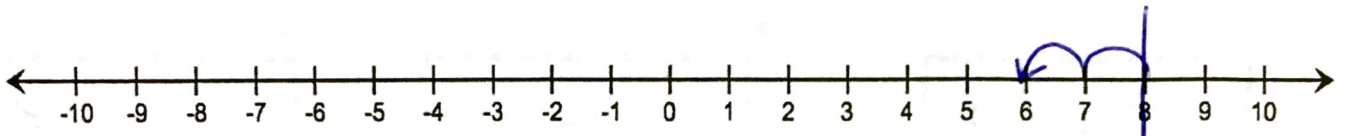
Int 1

with Number lines, Chip Boards, and Battle &amp; Recruit

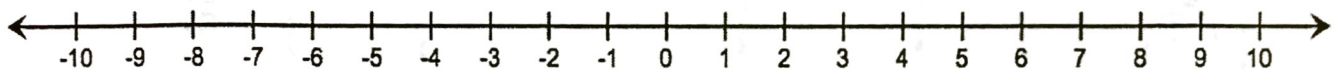
Unit 1

For each of the following questions, use the **number lines** provided to show how we get the solution to each question. Show where you start, which way you move, and where you end on the number line. Write your answer in the blank.

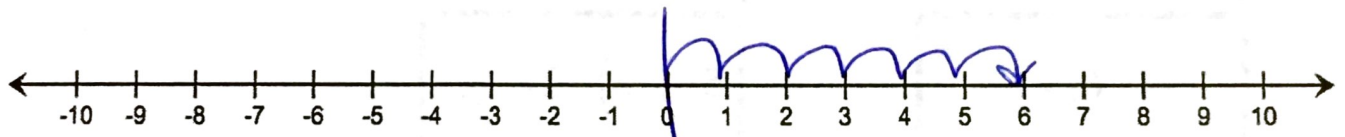
1.  $8 - 2 = \underline{6}$



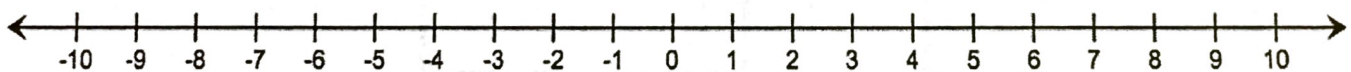
2.  $4 - 7 = \underline{\quad}$



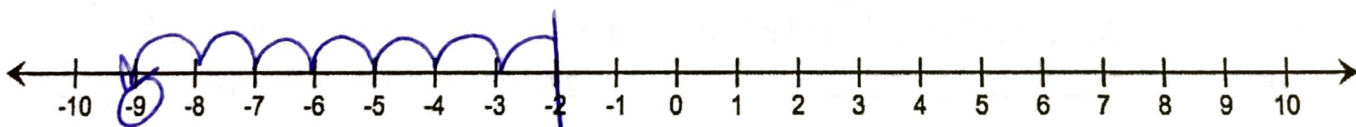
3.  $0 - (-6) = \underline{6}$



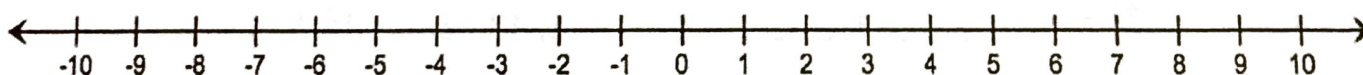
4.  $-4 - 6 = \underline{\quad}$



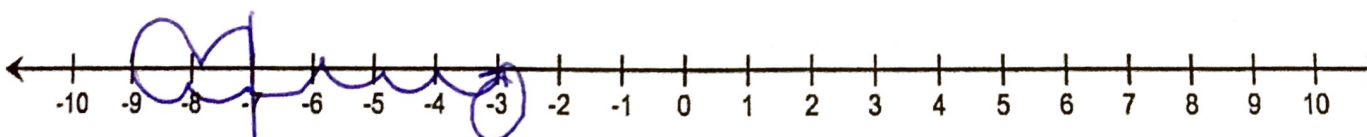
5.  $-2 - 7 = \underline{-9}$



6.  $-8 - (-4) = \underline{\quad}$



7.  $-7 - 2 - (-6) = \underline{-3}$



Use the **Chip Boards** to show what happens when you subtract the following sets of integers.

8.

$6 - 3 = \underline{\quad}$

11.

$-4 - (-7) = \underline{3}$

14.

$-6 - 2 + (-4) = \underline{\quad}$

9.

$-8 - (-4) = \underline{-4}$

12.

$-5 - 4 = \underline{\quad}$

15.

$-3 - 2 + 2 = \underline{-3}$

10.

$1 - (-6) = \underline{\quad}$

13.

$5 - (-3) - 2 = \underline{6}$

**BATTLE or RECRUIT** – Change each subtraction problem to an addition problem by “adding the opposite”. Write this in the first blank, then state the answer in the second blank.

16.  $-6 - 7 = \underline{\quad} = \underline{\quad}$

21.  $-7 - (-10) = \underline{-7 + 10} = \underline{3}$

17.  $9 - 15 = \underline{9 + -15} = \underline{-6}$

22.  $-7 - 10 = \underline{\quad} = \underline{\quad}$

18.  $8 - (-12) = \underline{\quad} = \underline{\quad}$

23.  $18 - 20 = \underline{18 + -20} = \underline{-2}$

19.  $(-19) - (-9) = \underline{-19 + 9} = \underline{-10}$

24.  $18 - (-20) = \underline{\quad} = \underline{\quad}$

20.  $20 - (-4) = \underline{\quad} = \underline{\quad}$

E  
Practice. Write the answer to each question in the blank provided.

25.  $-8 - 16 = \underline{-24}$

30.  $-13 - (-23) = \underline{\hspace{2cm}}$

35.  $-7 - (-5) = \underline{-2}$

26.  $21 - 32 = \underline{\hspace{2cm}}$

31.  $-9 - 32 = \underline{-41}$

36.  $-31 - (-36) = \underline{\hspace{2cm}}$

27.  $-25 - (-18) = \underline{-7}$

32.  $-62 - (-14) = \underline{\hspace{2cm}}$

37.  $-13 - 15 = \underline{-28}$

28.  $53 - (-7) = \underline{\hspace{2cm}}$

33.  $-19 - 14 = \underline{-33}$

38.  $-9 - 5 = \underline{\hspace{2cm}}$

29.  $-6 - 11 = \underline{-17}$

34.  $-71 - 26 = \underline{\hspace{2cm}}$

39.  $-91 - 25 = \underline{-116}$

### SPIRAL REVIEW

40. Tommy evaluated the following problem and his steps are shown. Did he get the right answer? Why or why not? What is the right answer?

$$|-24| - |2^3 - 11|$$

$$24 - |8 - 11|$$

$$24 - |-3|$$

$$24 + 3$$

$$27$$

41. Evaluate:  $\left[ (-12 + 15)^2 - (12 - 3^2 + 7) \right]$       42. Evaluate:  $100 - 50 + 25 + 25 \div 5^2$

$$\underline{-1}$$