

7th Grade  
Sept 30, 2020

Please get out  
your video notes

Today we will:  
-review video  
notes  
-do some  
examples  
together  
-start HW WS

HOMEWORK:

Skills Practice WS

THQ due Friday

New assignment in  
ALEKS due Oct 6

OPTIONAL EXTRA  
CREDIT in ALEKS  
due Friday



Today we will glue your foldable and fill out the top part:  
How do I add integers with the same sign?

Under the question, write:

***Add their absolute values.***

***The sum is positive if both integers are positive.***

***The sum is negative if both integers are negative.***

***Examples:  $3+4=7$       $-2+(-4)= -6$***

How do I add integers with different signs?

Under the question, write:

***Subtract their absolute values.***

***The sum is positive if the positive integer's absolute value is greater.***

***The sum is negative if the negative integer's absolute value is greater.***

***Examples:  $7+(-11) = -4$      $-2+9=7$***

Examples: Write these in your INB:

$$(-4) + 6 = 2$$

$$-4 + 6 = 2$$

$$+16 + (-3) = 13$$

$$16 - 3 = 13$$

$$\begin{aligned} & (10) + 15 + (-10) = \\ & 10 + (-10) + 15 \\ & \quad \downarrow \\ & \quad 0 \quad + 15 = 15 \end{aligned}$$

$$\begin{aligned} & 10 + 15 + (-10) = \\ & \quad \downarrow \\ & 25 + (-10) = 15 \end{aligned}$$

$$-12 + 3 + (-6) + 14 =$$

$$\begin{aligned} & \underbrace{-12 + 3}_{-9} + (-6) + 14 = \\ & \quad \downarrow \\ & \quad -15 + 14 = -1 \end{aligned}$$

$$-12 + 3 + (-6) + 14 =$$

$$\begin{aligned} & -12 + (-6) + 3 + 14 = \\ & \quad \downarrow \quad \downarrow \\ & -18 + 17 = -1 \end{aligned}$$

$$-3 + 5 + (-5) + 8 =$$

$$-3 + 8 = 5$$



## Guided Practice

Find each sum. (Examples 1–4)

1.  $-5 + (-6)$

$-5 + -6 = -11$

2.  $14 + (-5)$

$14 + -5 = 9$

3.  $-18 + 11$

$-7$

4.  $16 + (-13)$

$= 3$



**Reason Abstractly** Write and solve an addition equation. Then interpret the sum. (Example 5)

5. A football team gained 6 yards on a play. It then lost 10 yards on the next play. What was the total change of yardage for the team?

$6 + (-10) = -4$

6. The temperature in Rockford, Illinois, was  $-3^{\circ}\text{F}$ . The temperature rose 3 degrees. What is the current temperature?

$-3 + 3 = 0$

Find each sum. (Example 6)

7.  $-7 + 14 + 7$

$7 + 7 = 14$

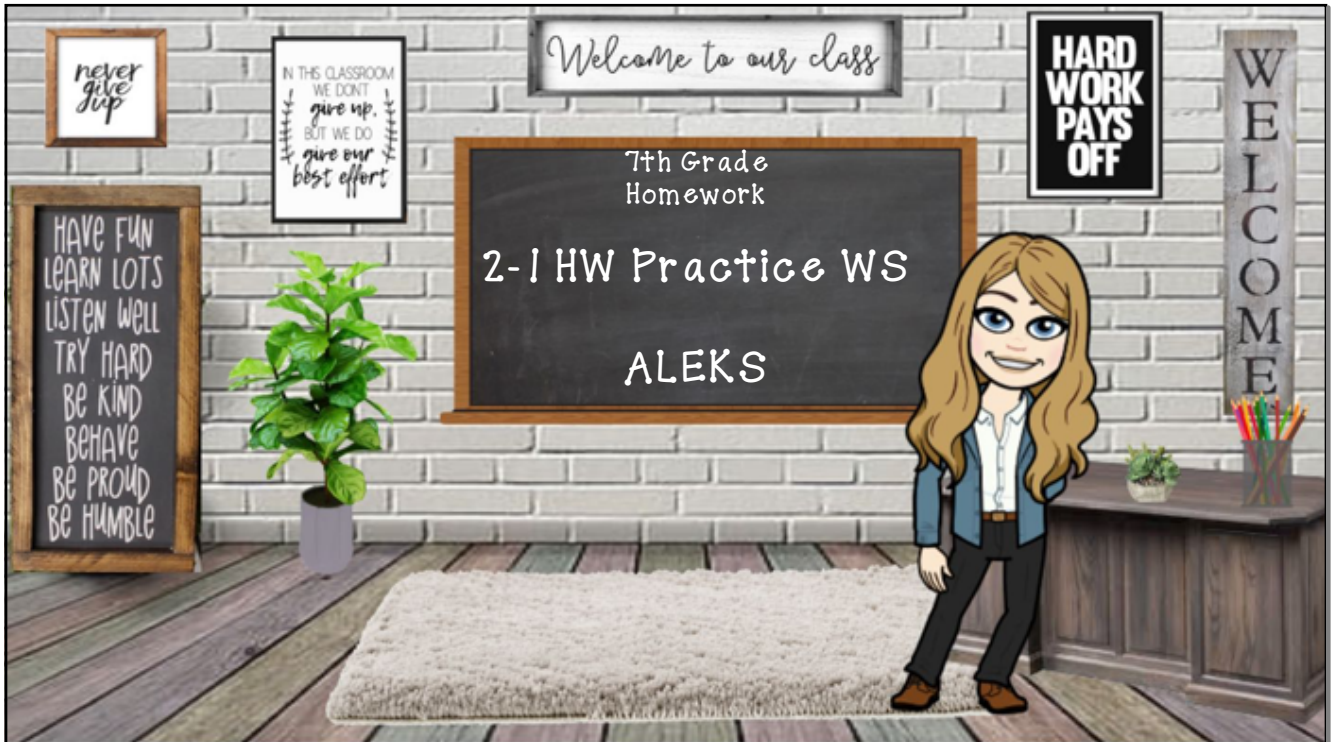
8.  $11 + (-2) + (-10)$

$9 + (-10) = -1$

9.  $-5 + 4 + (-5) + 3$

$-1 + (-5) + 3 = -6 + 3 = -3$





HOMEWORK



Name \_\_\_\_\_

Unit \_\_\_\_ Lesson \_\_\_\_\_ Due Date \_\_\_\_\_

**Lesson 2 Skills Practice*****Adding Integers***

Find each sum.

1.  $-7 + (-5)$

2.  $10 + 9$

3.  $-12 + (-5)$

4.  $-13 + (-3)$

5.  $-10 + 12$

6.  $-7 + 8$

7.  $-11 + (-6)$

8.  $0 + (-21)$

9.  $72 + (-10)$

10.  $72 + 10$

11.  $-13 + (-11)$

12.  $-52 + 52$

13.  $-6 + (-12)$

14.  $14 + (-8)$

15.  $-17 + (-2)$

16.  $50 + (-8)$

17.  $-22 + 4$

18.  $14 + 8$

19.  $-21 + (-9)$

20.  $15 + (-5)$

21.  $9 + 10$

22.  $-12 + (-15)$

23.  $-13 + 6$

24.  $-1 + (-18)$

25.  $0 + 31$

26.  $-45 + (-15)$

27.  $-6 + 20$

28.  $24 + (-11)$

29.  $7 + (-14)$

30.  $-34 + (-10)$

31.  $-8 + (-25)$

32.  $-31 + 25$

33.  $4 + 5 + (-4)$

34.  $-4 + (-5) + 6$

35.  $-3 + 8 + (-9)$

36.  $-6 + (-2) + (-1)$

37.  $10 + (-5) + 6$

38.  $-8 + 8 + (-10)$

39.  $0 + (-8) + 22$

40.  $-31 + 19 + (-19)$

41.  $32 + (-4) + (-9)$



## Absolute Value Examples/Notes:

Examples  
like this:

$$|a| + |b| = c$$

Examples  
like this:

$$|a + b| = c$$

$$\textcircled{1} \quad | -7 | + | -11 | = 18$$

$$7 + 11$$

$$\textcircled{2} \quad | 80 | + | -12 | = 92$$

$$80 + 12 = 92$$

$$\textcircled{3} \quad | -12 | - | 15 | =$$

$$12 - 15 = -3$$

$$\textcircled{4} \quad | 32 | + | 16 | =$$

$$32 + 16 = 48$$

$$\textcircled{5} \quad | 40 | - | -17 | =$$

$$40 - 17 = 23$$

$$\textcircled{1} \quad | -2 + 5 | =$$

$$\textcircled{2} \quad | -64 + 7 | =$$


$$\textcircled{3} \quad | -8 + (-14) | =$$

$$\textcircled{4} \quad | 17 + (-5) | =$$

$$\textcircled{5} \quad | -21 + (-6) | =$$

Challenge:  $| -9 | - | -5 + 7 | + | 12 | =$

to row row row your boat

 Same ~~Sides~~<sup>Signs</sup> add and keep different  
~~Sides~~<sup>Signs</sup> subtract keep the sign of  
the bigger number then you'll be exact! 