

Review for Quiz – Absolute Value/Opposites Adding/Subtracting Integers

For questions 1 – 4, write the integer for each situation.

- 1.) A profit of \$12 12 2.) 1,440 feet below sea level -1440
 3.) 22° below 0 -22 4.) A gain of 31 yards 31
 5.) What is the opposite of -34? 34

6.) What term is used to describe the distance from zero on a number line?

absolute value

- 7.) $|5| =$ 5 8.) $|-9| =$ 9

9.) $|6| + |-2| =$ 8
 $6 + 2$

- 10.) Order from least to greatest: 12, -6, 20, -47, -11, 5
-47, -11, -6, 5, 12, 20

- 11.) Order from coldest to warmest: ~~9°F~~, ~~-6°F~~, ~~-4°F~~, ~~23°F~~, ~~-17°F~~, ~~12°F~~, ~~-13°F~~
-17, -13, -6, -4, 9, 12, 23

Compare each pair of integers using the symbols < or >.


- 12.) 4 > -11 13.) -27 > -31 $\frac{1}{-31} \frac{1}{-27} \frac{1}{0}$
 14.) 12 > -14 15.) -54 < 54

Find the sum using integer chips. Show the model and all of your work!

16.) $(-5) + 7 =$ 2



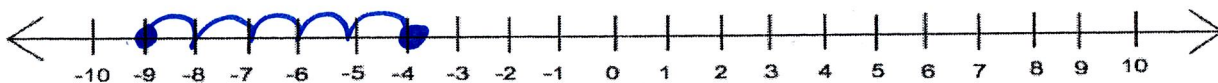
17.) $-3 + (-6) =$ -9



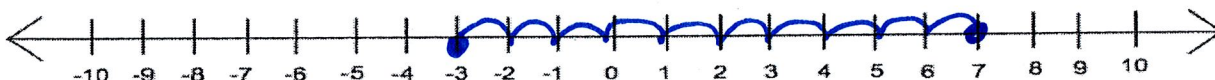
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Find the sum using a number line. Show your work on the number line.

18.) $-9 + (5) = -4$



19.) $7 + (-10) = -3$



Find the sum using the rules of adding and subtracting integers. Show work!

20.) $-12 + (3) = -9$

$$\begin{array}{r} 12 \\ -3 \\ \hline 9 \end{array}$$

21.) $-5 + (-13) = -18$

$$\begin{array}{r} 13 \\ 5 \\ \hline 18 \end{array}$$

22.) $4 + (-10) = -6$

$$\begin{array}{r} 10 \\ -4 \\ \hline 6 \end{array}$$

23.) $9 + (-9) = 0$

24.) $-18 + 34 = 16$

$$\begin{array}{r} 34 \\ -18 \\ \hline 16 \end{array}$$

25.) $-9 + (+23) = 14$

$$\begin{array}{r} 23 \\ -9 \\ \hline 14 \end{array}$$

26.) $46 + (-62) = -16$

$$46 + (-62)$$

27.) $-26 + 53 = 27$

$$\begin{array}{r} 53 \\ -26 \\ \hline 27 \end{array}$$

28.) The temperature this morning was -6° . By noon, the temperature rose 10° . What was the temperature at noon?

$$-6 + 10 = 4^\circ \text{ F}$$

29.) A diver jumps off a boat and swims down 15 feet. He then swims down another 30 feet. How many feet below the surface is the diver?

$$-15 + (-30) = -45 \text{ ft}$$

30.) The temperature in Sterling Heights is -7° . The temperature in Anney, France is 3° warmer. What is the temperature in Anney?

$$-7 + 3 = -4^\circ \text{ F}$$

Name _____

Key

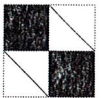
Adding and Subtracting Integers



$5 + (-8) = -3$



$-2 - (-10) = 8$



$-9 + 15 = 6$



$8 + (-7) = 1$



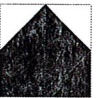
$-6 - 4 = -10$



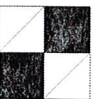
$2 - (-10) = 12$



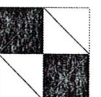
$4 + (-6) = -2$



$-2 - (-9) = 7$



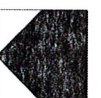
$11 + (-7) = 4$



$4 + (-10) = -6$



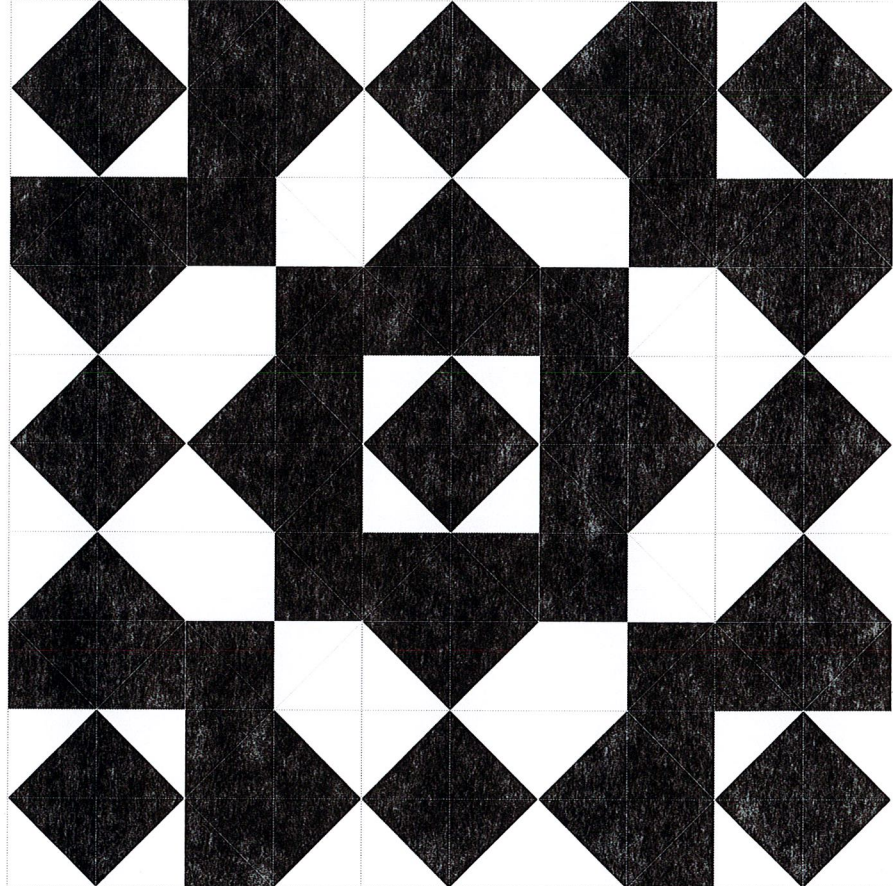
$2 - 14 = -12$



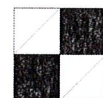
$-3 - (-14) = 11$



$-5 + (-4) = -9$



$0 - 1 = -1$



$7 - 11 = -4$



$8 - (-2) = 10$



$-8 - 3 = -11$



$15 + (-12) = 3$



$10 + (-5) = 5$



$-6 + 8 = 2$



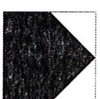
$-9 - (-4) = -5$



$-11 - (-4) = -7$



$-3 - (-3) = 0$



$-3 + 12 = 9$



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

