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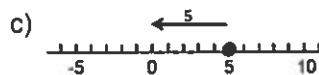
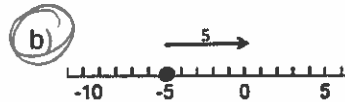
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Review for Quiz 1: Integers, Absolute Value, Zero Pairs, & Adding Integers

1. Write the definition for
- absolute value**
- :

The distance a value is from zero

2. Circle the number line that models or "proves"
- $|-5| = 5$
- .



3. Find the
- absolute value**
- of the following numbers.

a. $|2.5| = 2.5$

b. $|4| = 4$

c. $|-3| = 3$

4. Write the definition for
- integer**
- :

positive, negative whole numbers
including zero

5. Give 3 examples of numbers that are
- NOT**
- integers.

a. $\frac{1}{2}$

b. $0.\overline{3}$

c. π

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6. Compare the following numbers using $>$, $<$, or $=$.

*Hint: Use a number line if you need help!

a. $12 \boxed{>} -12$

c. $-2 \boxed{>} -5$

b. $-4 \boxed{>} -6$

d. $-20 \boxed{<} 20$

7. Order the integers from **GREATEST to LEAST**:

a. ~~-9, 2, 4, -8, -5~~ 4, 2, -5, -8, -9

b. $0, -1, -7, -3, -4$ 0, -1, -3, -4, -7

8. Order the integers from **LEAST to GREATEST**:

a. ~~-1, 1, 2, -2, -3~~ -3, -2, -1, 1, 2

b. ~~-8, 8, 9, -2, 2~~ -8, -2, 2, 8, 9

9. Solve the following by finding and eliminating zero pairs:

a. $\boxed{8} + \boxed{3} + -4 + \boxed{-8} + 7 + \boxed{-3} + 2 = 5$

$-4 + 7 + 2$

b. $\boxed{-5} + \boxed{-9} + 10 + \boxed{-4} + 10 + \boxed{9} + \boxed{5} + 4 = 20$

c. $\boxed{6} + \boxed{-3} + \boxed{2} + \boxed{-2} + \boxed{3} + 4 + \boxed{-6} + \boxed{-4} = 0$

10. Write the definition for inverses.

Inverses are two numbers that add to 0.

9. Give 3 examples of inverse pairs.

Answers vary

$-3, 3$

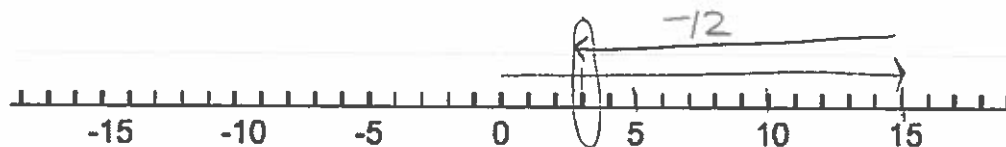
$-10, 10$

$-6, 6$

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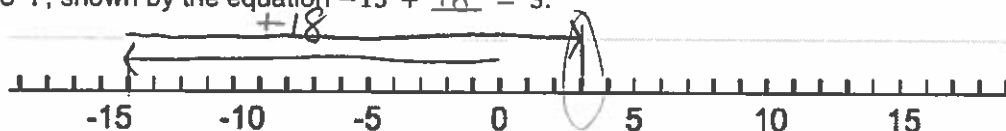
10. On the number line, model the temperature problem, the temperature changed from 15°F to 3°F , shown by the equation $15 + \underline{-12} = 3$.



11. How much did the temperature change in problem #10?

Dropped 12°F

12. On the number line, model the temperature problem, the temperature changed from -15°F to 3°F , shown by the equation $-15 + \underline{18} = 3$.



13. How much did the temperature change in problem #12?

Rose 18°F

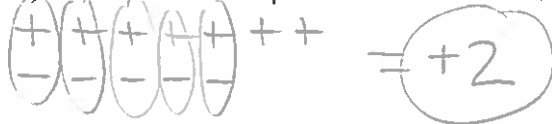
14. Write a number sentence to model the temperature change from 15°F to -3°F .

$$15 + -18 = -3$$

15. Write the definition for a zero pair:

A positive & A negative. Their sum is 0.

16. Draw the counters to represent $7 + -5$. Give the sum.



17. Draw the counters to model $-7 + -5$. Give the sum.

