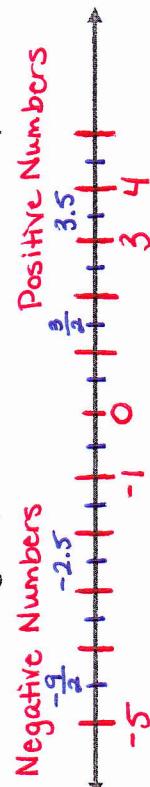


1.2 – Integers, Absolute Value and Properties



$$13. -|-8| = \underline{-8}$$

$$\quad \quad \quad -1 \cdot |-8| = \underline{4+3}$$

$$14. |-4| + |3| = \underline{7}$$

$$15. |12 - 3| = \underline{9}$$

$$16. |8| - |-3| = \underline{5}$$

$$17. 8 - 3 = \underline{8-3}$$

$$18. 2|-5| - |-6| = \underline{4}$$

$$19. 3|-4| = \underline{12}$$

$$20. \frac{2 \cdot 5 - 6}{10 - 6} = \underline{4}$$

1. Label "0".
2. Label the side that contains the negative numbers.
3. Label the side that contains the positive numbers.
4. Place $3, \frac{3}{2}, 3.5, 4$ on the number line.
5. Place $-1, -\frac{9}{2}, -2.5, -5$ on the number line.

Write an integer for the following, then write its opposite.

$$19. 5 \underline{<} 8 \quad 20. -3 \underline{>} -9 \quad 21. |-4| = \underline{4}$$

$$22. -7 \underline{<} \underline{7} \quad 23. \frac{1}{2} \underline{>} -5$$

Compare each pair of numbers using $<$, $>$, or $=$.

Commutative Property • Order Switches	$A + B = B + A$ $A \cdot B = B \cdot A$
Associative Property • Parentheses move	$(A + B) + C = A + (B + C)$ $(A \cdot B) \cdot C = A \cdot (B \cdot C)$
Distributive Property • Parentheses go away	$A(B + C) = A \cdot B + A \cdot C$ $A(B - C) = A \cdot B - A \cdot C$

Name the property illustrated.

$$24. 7x + 8y = 8y + 7x \quad \text{Commutative}$$

$$25. r(3 + 4t) = 3r + 4rt \quad \text{Distributive}$$

$$26. (6x + 9) + 7y = 6x + (9 + 7y) \quad \text{Associative}$$

Absolute Value of a number is the distance a number is away from zero. IT IS ALWAYS POSITIVE!

$$11. |9| = \underline{9}$$

$$12. |-17| = \underline{17}$$

$$13. |-18| = \underline{18}$$