Name: _____

Period: _____

Notes 1-2

Int 1

Integers and Absolute Value
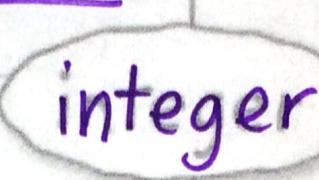
Unit 1

Describe It
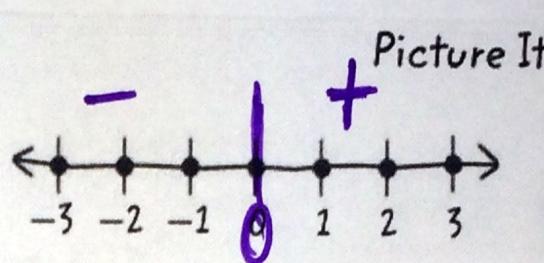
A positive OR negative **WHOLE** number

Picture It

$-3 \quad -2 \quad -1 \quad 0 \quad 1 \quad 2 \quad 3$

integer

List Some Examples

3   −1   25

7   800   50,250

−100

List Some NonExamples

3¼   3.258

−4⅞

−5¼

Write an integer for each real-world situation.

1. In a football game, the Mighty Lions had a loss of 11 yards.   −11

2. In the Amazon, the average rainfall for 2013 was 5 inches above normal.   5

3. Angela made a deposit of $16 in her bank account.   16   withdraw→

4. The temperature on January 12th 2008 was 6⁰ F.   6

Place the following numbers on a number line.

5. -6   6. 4   7. -2   8. 3   9. 2

$-6 \quad -5 \quad -4 \quad -3 \quad -2 \quad -1 \quad 0 \quad 1 \quad 2 \quad 3 \quad 4$
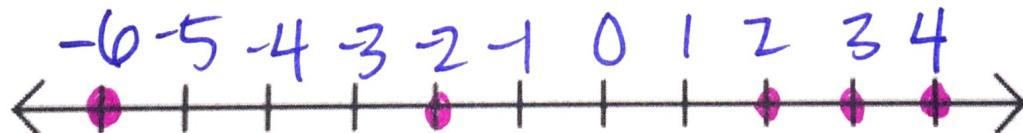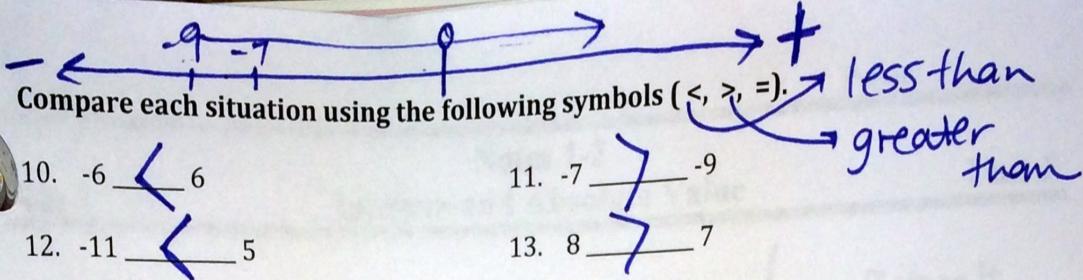
steps ① Find the BIGGEST negative number & put it at the left
② count & number the rest
③ put dots

Compare each situation using the following symbols (<, >, =). → less than
→ greater than

10. -6 _<_ 6

11. -7 _>_ -9

12. -11 _<_ 5

13. 8 _>_ 7

Place the following integers in order from least to greatest.

14. {-2, 8, -7} _-7, -2, 8_

15. {4, 10, -3, 7} _-4, -3, 7, 10_

16. {-2, 1, -1, 2} _____, _____, _____, _____

17. {2, -5, 7} _____, _____, _____

What does it mean to find the absolute value of a number? _How far away_ _is the number from 0._

Evaluate each absolute value expression.

18. $|-7| =$ _7_

19. $|7| =$ _7_

20. $|-9| + 3 =$ _12_
9 + 3 ↗

21. $|6| + 2 =$ ___

22. $|11 - 4| =$ ___

23. $|-5| - |2| =$ 3
5 - 2

24. $|8 + 7| =$ ___

25. $15 - |9 - 2| =$ ___

26. $18 + |6 \cdot 4 - 3| =$ 39
$18 + |24 - 3|$
$18 + |21|$
$18 + 21$