Name: __KEY__

Date: _____

Math 7 – Integers Review

Per: _____

**Directions:** Fill in the blank with the correct answer.

**Part A:** Write an integer to represent each situation.

1) a temperature of 6°C above zero.
2) a loss of $15
3) 2 feet below sea level
4) deposit $12

**Part B:** Write the opposite of each integer.

5) 2          6) 15          7) -3          8) -34

**Part C:** Find the absolute value of each problem.

Always +

9) |8|          10) |-19|          11) |0|          12) |-574|

**Part D:** Fill in the blank with  <, >, or =.

13) -9 _____ -15          14) -8 _____ 7          15) 5 _____ |-5|

                                                              5 = 5

**Part E:** Compare and order.

16) order from _least_ to _greatest_   9, -5, 0, -7, -1, 4

17) order from _greatest_ to _least_   -1, 2, -4, 1, 5, -6

1) $+6°c$

2) $-\$15$

3) $-2 \text{ ft.}$

4) $+\$12$

5) $-2$

6) $-15$

7) $+3$

8) $+34$

9) $8$

10) $19$

11) $0$

12) $574$

13) $>$

14) $<$

15) $=$

16) $-7, -5, -1, 0, 4, 9$

17) $5, 2, 1, -1, -4, -6$

Adding Rules    Same + Different = —

**Part F:** Simplify the expressions.    Multiply / Divide  △

18) -7 + 3

19) -12 + 17

20) 8 + -5

21) -14 + -9

22) 20 + 10

23) 7 + -11

24) -22 – 8

25) -5 – (-9)

26) 3 – 15

27) -25 – 15

28) -8 – (-16)

29) 1 – (-4)

30) 5 · 9

31) -4 x -6

32) -7(3)

33) 8(-10)

34) -5 · -5

35) 25 x 3

36) -50 ÷ 10

37) 42 ÷ -7

38) -14 ÷ -14

39) $\dfrac{-24}{8}$

40) $\dfrac{-55}{-5}$

41) $\dfrac{200}{-20}$

18) __-4__

19) __5__

20) __3__

21) __-23__

22) __30__

23) __-4__

24) __-30__

25) __4__

26) __-12__

27) __-40__

28) __8__

29) __5__

30) __45__

31) __24__

32) __-21__

33) __-80__

34) __25__

35) __75__

36) __-5__

37) __-6__

38) __1__

39) __-3__

40) __11__

41) __-10__

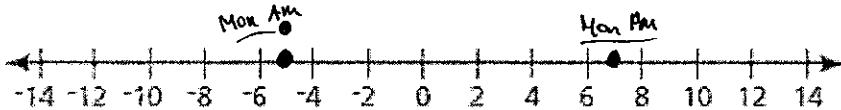**Part G:** Read each question carefully. Complete each question. <u>Show all work!</u>

42) The temperature Monday morning was -5°F.  By Monday afternoon the temperature warmed up to 7°F.

*Part 1:* On the number line below, plot the temperatures.

Mon AM          Mon PM

-14 -12 -10 -8  -6  -4  -2  0  2  4  6  8  10  12  14

*Part 2:* How many degrees warmer was it in the afternoon than morning? *Show your work.*

$$7 - (-5)$$

$$7 + 5$$

Answer ___12___ °F

43) John says that -8 is less than -12.  Is he correct? Explain.

No he is incorrect, -8 is closer to 0 therefore making it a greater value than -12.

**Order of Operations:** Be sure to show all required steps and work to receive full credit.

44.)  $12 - 5 \cdot 4 \div 10$

$12 - 20 \div 10$

$12 - 2$

$\boxed{10}$

45.)  $8 + 3^3 - |5|$

$8 + 27 - 5$

$35 - 5$

$\boxed{30}$

46.)  $14 + 4^2 - 3 \times (-50 \div 5)$

$14 + 16 - 3 \cdot (-10)$

$14 + 16 - (-30)$

$14 + 16 + 30$

$30 + 30$

$\boxed{60}$