

Name:

Class:

Result:

### Worksheet with CLIL method for 8th grade.

## INTEGER

1. Put the integers in order from the least to the greatest (increasing order).

-25,7   -17,3   25   -25,74   0   -9,9   -10   0,5   24,8   -17   5,03   -23

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2. Fill in the missing places.

INTEGER	7 less than	7 more than
- 15		
4		
0		
- 5		
- 7		
INTEGER	11 less than	11 more than
9		
- 14		
- 7		
11		
- 1		

3. Write the correct comparison symbol (< , > or =) in each box.

$-11 \square -20$

$-1 \square 3$

$-5 \square 0$

$10 \square -10$

$-3,2 \square -3,1$

$8 \square -15$

$7,3 \square -7,5$

$-4 \square -3,8$

$-5 \square -6$

$-0,9 \square 1$

$-68 \square -50$

$-14 \square -20$

$-8,7 \square -9$

$-6,4 \square -6,5$

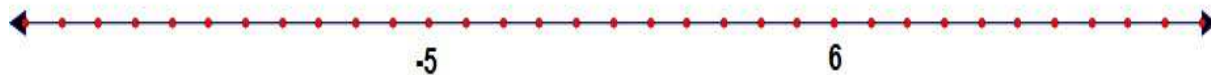
$-9,3 \square 5,7$

4. Label the integers on the number line

-6      0      5      -2      7      -1



5. Fill the missing integers on the number lines.



**6. Write the correct word (LEFT or RIGHT) in the sentences.**

On a number line, - 8 would be located \_\_\_\_\_ of - 10.

On a number line negative numbers are located \_\_\_\_\_ of 0.

On a number line - 18 would be located \_\_\_\_\_ of 18.

On a number line positive numbers are located \_\_\_\_\_ of 0.

**7. Circle the greatest integer with red, and the smallest integer with green.**

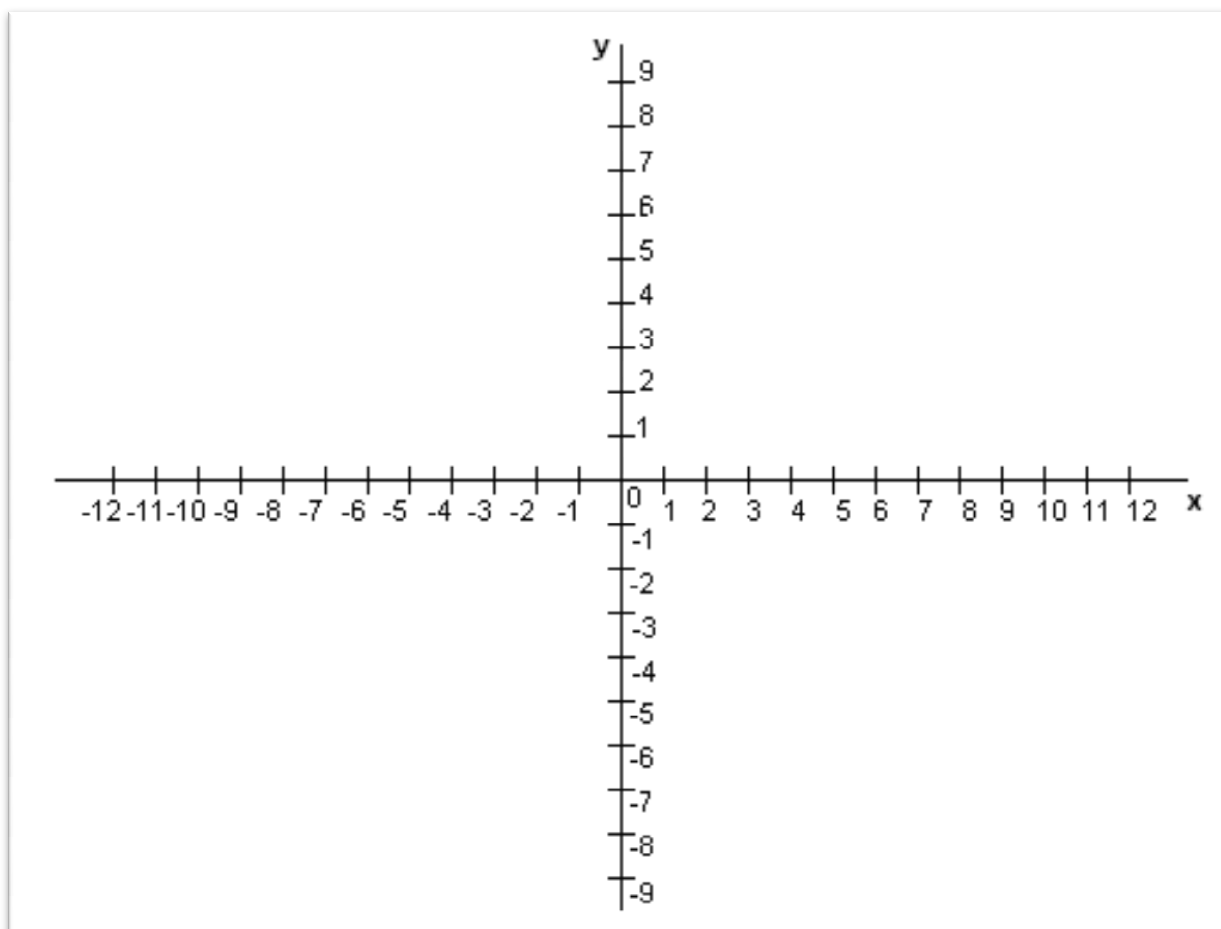
a. 73,2; - 15,4; - 16; 5,6; - 9; 98,9; - 10,8; - 11

b. - 12; - 56; 12; - 7; 8; - 35; 6; 19; - 19

c. 13; 4,6; - 6,8; - 14,7; 0; - 14,9; 14,8; - 10

**8. Specify the points in a Cartesian coordinate system.**

A [- 5; 6]    B [8; - 4]    C [- 11; - 1]    D [9; 7]    E [12; - 9]



### 9. Fill the missing integers.

$$(-7) + 5 = \underline{\quad}$$

$$\underline{\quad} - 19 = -10$$

$$5 - 18 = \underline{\quad}$$

$$\underline{\quad} - (-8) = 6$$

$$25 - 30 = \underline{\quad}$$

$$(-18) + \underline{\quad} = -26$$

$$14 - \underline{\quad} = -5$$

$$(-37) - \underline{\quad} = -50$$

$$\underline{\quad} - (-15) = -9$$

$$\underline{\quad} + 12 = -12$$

$$24 - \underline{\quad} = 35$$

$$(-54) - (-23) = \underline{\quad}$$

### 10. Solve the word problem.

The temperature at 9:00 P.M. was  $0^{\circ}\text{C}$ . If the temperature is dropping  $2^{\circ}\text{C}$  per hour, what was the temperature 9 hours later?

Solution:



### 11. Mark statements true ✓ or false ✗.

- a. Positive times positive gives negative.
- b. Negative times positive gives negatives.
- c. Negative divided by negative gives positive.
- d. Positive divided by negative gives negative.
- e. Positive times negative gives positive.
- f. Negative times negative gives positive.
- g. Negative divided by positive gives positive.
- h. Positive divided by positive gives positive.

## 12. Solve the word problem.

In the Sahara Desert one day temperature was  $57^{\circ}\text{C}$ . In the Gobi Desert a temperature was  $-45^{\circ}\text{C}$ . What is the difference between these two temperatures?

Solution:

## 13. Fill in the missing places.

•	- 5	0,5	- 12	1,3
- 6				
- 3				
9				
1,5				

:	- 10	2	- 5	- 4
- 20				
12				
42				
- 4				

## 14. Find results.

- $(- 36) : (- 2) + (- 14) =$
- $15 \cdot (- 4) - (- 54) : 6 =$
- $120 : (- 5) + (- 99) : 3 =$
- $(- 8) + (- 11) - (- 14 : 7) - (- 17) =$
- $(23 + (- 8)) : (- 5) + 12 \cdot (- 4) =$

**SELFEVALUATION:** The easiest exercise: \_\_\_\_\_

The most difficult exercise: \_\_\_\_\_

Total:   

Sources:

<http://physics.tutorvista.com/heat/temperature.html>

<http://www.mathworksheets4kids.com/integers.html>

<http://www.math-drills.com/integers.shtml>

<http://www.math-aids.com/Integers/>

