

Name _____

Math 7: Comparing Sizes of Integers

1. Is $\frac{-9}{5}$ an integer? (Yes or No) _____

2. Is 6.0 an integer? (Yes or No) _____

3. Is -6 an integer? (Yes or No) _____

4. Is $\frac{100}{10}$ an integer? (Yes or No) _____

5. Identify the largest number: _____

- A) 3 B) -16 C) 20

6. Identify the smallest number: _____

- A) -13 B) 17 C) -1

7. Identify the largest number: _____

- A) -3 B) 1 C) 16

8. Identify the smallest number: _____

- A) -18 B) -25 C) -5

9. Which is the higher temperature? _____

- A) -16°F B) -3°F

10. Which is the lower temperature? _____

- A) -4°C B) -17°C

11. Select the correct inequality symbol ($<$ or $>$) to complete each statement.

a. 5 _____ -2

b. -1 _____ 6

c. 0 _____ -2

d. -2 _____ -7

12. Select the correct inequality symbol ($<$ or $>$) to complete each statement.

a. 7 _____ -8

b. -8 _____ 7

c. 10 _____ -10

d. -5 _____ -4

13. Consider the statement $-4 < -3$.

a. What is the meaning of this inequality? _____

A) -4 is less than -3

B) -4 is less than or equal to -3

C) -3 is less than -4

D) -3 is greater than or equal to -4

b. Is this inequality *True* or *False*? _____

14. Consider the statement $5 > -3$.

a. What is the meaning of this inequality? _____

A) -3 is greater than 5

B) 5 is less than -3

C) 5 is greater than -3

D) 5 is greater than 3

b. Is this inequality *True* or *False*? _____

15. Consider the statements $1 > -9$ and $-9 < 1$.
- a. Are these two statements equivalent? (Yes or No) _____
- b. Select the explanation as to why this is the case. _____
- A) Both statements say that the number 1 is to the left of -9 .
- B) Both statements say that the number 1 is to the right of -9 .
16. Ray's bank account balance is $-\$10$. _____
Mohamad's bank account balance is $-\$13$.
Choose the correct number statement below that compares their savings.
- A) $-13 \geq -10$ B) $-10 > -13$
- C) $-13 > -10$ D) $-10 \leq -13$
17. Jack has a balance of $-\$70$ in his bank account, while Bill _____
has a bank account balance of $-\$468$. Write an inequality
that compares how much they have.
18. The melting point of helium is -458°F . _____
The melting point of xenon is -169°F .
Write an inequality that compares the two melting points.
19. Arrange the following numbers in ascending order: 4, -13 , 18, -8 , 29
- _____ , _____ , _____ , _____ , _____
20. Arrange the following numbers in descending order: 0, -11 , 16, -1 , 23
- _____ , _____ , _____ , _____ , _____

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21. Complete the pattern: 3, 1, -1, _____, _____, _____, ...

22. Complete the pattern: -18, -16, -14, _____, _____, _____, ...

23. Complete the pattern: -10, -7, -4, _____, _____, _____, ...