Worksheet 5: Comparison of Integers

Class 6 | Ganita Prakash

Name: _____	**Class:** _____	**Section:** _____
Date: _____	**Maximum Marks:** 20	

Key Ideas to Remember

- Every positive integer is greater than 0, and every negative integer is less than 0. So every positive integer is greater than every negative integer.
- On the number line (or in the Building of Fun), the number that is higher up or further to the right is the greater number.
- Among negative integers, the one that is closer to zero is greater. Example: −3 > −8, because Floor −3 is above Floor −8.
- We write a < b if a is less than b, and a > b if a is greater than b.

A. Compare the Following Numbers [10 × 1 = 10 marks]

Compare the numbers and fill in each box with < or >.

1. −8 [ ] +3

2. −15 [ ] −9

3. +6 [ ] −20

4. 0 [ ] −7

5. −34 [ ] −43

6. +19 [ ] +91

7. −100 [ ] −10

8. +1 [ ] −1

9. −56 [ ] 0

10. −250 [ ] −205

B. True or False [5 × 1 = 5 marks]

Circle True or False.

1. Every negative integer is less than every positive integer. **True / False**

2. −9 > −5 **True / False**

3. Zero is greater than every negative integer. **True / False**

4. There is a smallest negative integer. **True / False**

5. −100 is greater than −99. **True / False**

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C. Match the Following [5 × 1 = 5 marks]

Match each statement in Column A with the correct number in Column B. Write the letter in the blank.

Column A	Column B
1. The greatest among −12, +4, −20 and 0 _____	(a) −11
2. The smallest among −3, −13, 0 and −8 _____	(b) +4
3. The integer just greater than −6 _____	(c) −5
4. The integer just smaller than −10 _____	(d) −1
5. The greatest negative integer _____	(e) −13

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ANSWER KEY

Comparison of Integers

A. Compare the Following Numbers

1. −8 < +3	**2.** −15 < −9	**3.** +6 > −20	**4.** 0 > −7
5. −34 > −43	**6.** +19 < +91	**7.** −100 < −10	**8.** +1 > −1
9. −56 < 0	**10.** −250 < −205		

B. True or False

1. True
2. False – −9 < −5 because Floor −9 is below Floor −5.
3. True
4. False – Negative integers go on forever downwards (−1, −2, −3, …), so there is no smallest one.
5. False – −100 < −99.

C. Match the Following

1. → (b) +4	**2.** → (e) −13	**3.** → (c) −5	**4.** → (a) −11	**5.** → (d) −1

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