

Subject: Mathematics

Class: 6

Topic: Ordering and Comparing Integers

Levels: Basic, Intermediate, Advanced

Level: Basic

1. Write the successor of the integer -5: _____
2. Compare using $>$ or $<$: -10 [] -2
3. Arjun has ₹ 500 in his bank. If he spends ₹ 200, represent the remaining amount as an integer: _____
4. Which integer represents a depth of 15 meters below sea level? [] -15 | [] +15
5. Arrange in ascending order: -3, 0, 2, -5. Answer: _____
6. Write the predecessor of 0: _____
7. True or False: Every positive integer is greater than every negative integer. ()
8. Circle the smallest integer: -1, -10, -100, 0
9. Represent a profit of ₹ 250 using a sign: _____
10. How many integers lie between -2 and 2? List them: _____

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Level: Intermediate

1. Priya's shop earned a profit of ₹ 1000 on Monday (+1000) and a loss of ₹ 1200 on Tuesday. Write Tuesday's integer: _____
2. Find the value of $| -15 | + | 5 | =$ _____
3. Arrange the following in descending order: -22, 15, 0, -35, 40. Answer: _____
4. If x represents an integer such that $x < -5$ and $x > -7$, then $x =$ _____
5. Which is further to the right on a number line: -100 or -50? _____
6. A submarine is at -200m. It dives 50m deeper. What is its new position? _____
7. Compare: $- (- 8)$ [] $| -8 |$
8. Write 4 integers less than -10: _____
9. What is the sum of the largest negative integer and the smallest positive integer? _____
10. Using the $^{\circ}\text{C}$ symbol to mark positions, which is colder: -12°C or -18°C ? _____

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1. An elevator in a Delhi mall starts at ground floor (0). It goes up 5 floors (+5), then down 8 floors. Where is it now? _____
2. If x is an integer, what is the smallest possible value of $|x|$? (?)
3. Temperature in Shimla is -4°C and in Manali is -9°C . Which city is warmer and by how many degrees?

4. Evaluate: $|-20| - |-10| + |5| =$ _____
5. If $a > b$, is it always true that $-a < -b$? (Provide an example): _____
6. Find the sum of all integers from -3 to 2: _____
7. Rahul owes ₹ 50 to a friend (-50). He earns ₹ 120 (+120). What is his final balance? _____
8. Solve for ? if ? is an integer: $-15 < ? < -13$. Answer: _____
9. Order from least to greatest: $-|-10|$, 0, $|-5|$, -2, 4. Answer: _____
10. A bird is flying 100m above sea level (+100). A fish is 20m below sea level (-20). What is the vertical distance between them? _____