

Section 1: Integer Comprehension Questions (10)

1. What is an integer? Give 3 examples.
2. Identify whether each is positive or negative: (-5), (12), (-1).
3. Which is greater: (-7) or (3)? Explain.
4. What is the opposite of (9)?
5. Place in order from least to greatest: (4), (-2), (0), (-7), (3).
6. What happens to a number when you add a negative integer?
7. What is the absolute value of (-12)?
8. Compare using $<$, $>$, or $=$: (-8) ____ (-3).
9. Why is zero neither positive nor negative?
10. Explain how a number line helps compare integers.

Section 2: Mixed Integer Operations (25)

1. $(5) + (-3) + (8) - (2)$
2. $(-7) + (4) - (6) + (9)$
3. $(12) - (5) + (-8) + (3)$
4. $(-10) + (15) + (-5) - (2)$
5. $(20) - (-4) + (-6) - (3)$
6. $(-9) + (-8) + (7) + (6)$
7. $(14) + (-11) - (2) + (-1)$
8. $(-25) + (10) + (5) - (8)$
9. $(30) - (12) + (-9) + (4)$

10. $(-18) + (3) + (7) - (6)$
11. $(45) + (-20) - (10) + (5)$
12. $(-50) + (25) + (10) - (5)$
13. $(60) - (30) + (-15) + (8)$
14. $(-70) + (40) - (10) + (6)$
15. $(80) + (-35) + (10) - (7)$
16. $(-90) + (45) + (20) - (15)$
17. $(99) - (50) + (-25) + (10)$
18. $(-66) + (30) + (15) - (9)$
19. $(78) + (-40) - (20) + (11)$
20. $(-88) + (44) + (22) - (10)$
21. $(67) - (30) + (-15) + (5)$
22. $(-54) + (20) + (18) - (7)$
23. $(39) + (-19) + (11) - (6)$
24. $(-73) + (36) + (12) - (8)$
25. $(58) - (22) + (-18) + (9)$

Section 3: Integer Word Problems (10)

1. The temperature was (5°C) in the morning and dropped by (8°C) . What is the new temperature?
2. A diver is at (-10) meters and descends another (7) meters. What is their final position?
3. Sara had $(\$20)$ and spent $(\$32)$. What is her balance?

4. A submarine moves from (-50) m up by (30) m, then down by (10) m. Where is it now?
5. A stock increases by (15) points, then decreases by (25) points. What is the net change?
6. The temperature rises from (-6°C) to (4°C) . What is the total increase?
7. A hiker is at (200) m above sea level, then descends (350) m. What is the new elevation?
8. A bank account has $(-\$40)$ and a deposit of $(\$90)$ is made, then $(\$30)$ is withdrawn. What is the final balance?
9. An elevator goes from floor (3) down to (-2) , then up (5) floors. Where is it now?
10. A game score starts at (0) , loses (12) points, then gains (20) points, then loses (9) . What is the final score?