

CLASSWORK – ADDING AND SUBTRACTING INTEGERS

Grade 7 | Time: 45 minutes

Name: _____ Date: _____

Instructions: Solve each exercise. Show your work.

Part A – Add Integers

1. $+8 + (+5) =$ _____
2. $-7 + (-9) =$ _____
3. $+15 + (-8) =$ _____
4. $-12 + (+7) =$ _____
5. $-18 + (-6) =$ _____
6. $+25 + (-17) =$ _____
7. $-30 + (+14) =$ _____
8. $+19 + (+16) =$ _____

Part B – Subtract Integers

Remember: Change subtraction into addition of the opposite.

9. $+12 - (+7) =$ _____
10. $+9 - (-6) =$ _____
11. $-8 - (+5) =$ _____
12. $-14 - (-9) =$ _____
13. $+20 - (-15) =$ _____
14. $-25 - (+12) =$ _____
15. $+17 - (+29) =$ _____
16. $-30 - (-18) =$ _____

Part C – Mixed Practice

17. $-8 + 15 - 6 =$ _____
18. $20 - 35 + 12 =$ _____
19. $-14 + (-7) - (-10) =$ _____
20. $25 - (-8) + (-15) =$ _____
21. $-30 + 18 - (-7) =$ _____
22. $16 + (-25) - (-4) =$ _____

Part D – Word Problems

23. **Temperature:** The temperature was -4°C . It increased by 11°C . What is the new temperature?

Answer: _____

24. **Money:** Carlos has a balance of $-\text{L}50$. He deposits $\text{L}80$. What is his new balance?

Answer: _____

25. **Elevation:** A submarine is at -120 meters. It rises 45 meters. What is its new position?

Answer: _____

26. **Game:** A player earns 15 points in one round and loses 22 points in the next round. What is the total change in points?

Answer: _____

■ Challenge

27. Find the value of: $-15 + 8 - (-12) + (-7) - 10$

Answer: _____

Teacher timing suggestion: Part A: 8 min | Part B: 10 min | Part C: 12 min | Part D: 10 min | Challenge/check: 5 min