

CHAPTER



Rational Number Operations

Lesson 2.1 Adding Integers

Evaluate each sum using a number line.

1. $-7 + 9$

2. $4 + (-7)$

3. $8 + (-8)$

4. $-2 + (-5)$

5. $5 + (-8)$

6. $-10 + 10$

Evaluate each sum using absolute values.

7. $18 + (-39)$

8. $62 + (-18)$

9. $-25 + 14$

10. $-43 + 72$

11. $-19 + (-32)$

12. $-57 + (-21)$

Evaluate each sum.

13. $-7 + 12 + 9$

14. $-88 + 35 + 27$

15. $14 + (-20) + (-6)$

16. $-31 + (-5) + 12$

17. $-45 + (-27) + (-41)$

18. $16 + (-54) + 23$

Name: _____

Date: _____

Solve. Show your work.

19. A submarine was cruising at a depth of 340 feet below sea level. Find the depth of the submarine after it ascends 76 feet.
20. The boiling point of nitrogen gas is -320°F and the boiling point of oxygen gas is 23°F greater than that of nitrogen. What is the boiling point of oxygen gas?
21. Daryl played a game that has four stages. The final score is the sum of the scores at each stage. Daryl scored 50, -85 , -12 , and 93 points at each of the four stages. Find Daryl's final score.
22. Jack bought a stock for \$26 a share. The daily changes in the stock price for the next four days were -5 , -2 , $+1$, and -6 . How much was the stock worth at the end of the four days?
23. The temperature recorded at 6 a.m. was -3°F . Six hours later the temperature had increased by 18°F . Find the temperature at noon.