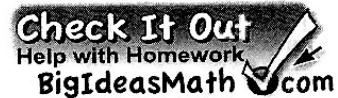


1.2 Exercises



Vocabulary and Concept Check

1. **WRITING** How do you find the additive inverse of an integer?
2. **NUMBER SENSE** Is $3 + (-4)$ the same as $-4 + 3$? Explain.

Tell whether the sum is *positive*, *negative*, or *zero* without adding. Explain your reasoning.

3. $-8 + 20$ 4. $50 + (-50)$ 5. $-10 + (-18)$

Tell whether the statement is *true* or *false*. Explain your reasoning.

6. The sum of two negative integers is always negative.
7. An integer and its absolute value are always opposites.



Practice and Problem Solving

Add.

1. $8 + 4$	9. $-4 + (-6)$	10. $-2 + (-3)$	11. $-5 + 12$
2. $5 + (-7)$	13. $8 + (-8)$	14. $9 + (-11)$	15. $-3 + 13$
16. $-4 + (-16)$	17. $-3 + (-4)$	18. $14 + (-5)$	19. $0 + (-11)$
20. $-10 + (-15)$	21. $-13 + 9$	22. $18 + (-18)$	23. $-25 + (-9)$

ERROR ANALYSIS Describe and correct the error in finding the sum.

24.

$9 + (-6) = -3$

25.

$-10 + (-10) = 0$

26. **TEMPERATURE** The temperature is -3°F at 7 A.M. During the next four hours, the temperature increases 21°F . What is the temperature at 11 A.M.?

27. **BANKING** Your bank account has a balance of $-\$12$. You deposit $\$60$. What is your new balance?

Add.

28. $13 + (-21) + 16$	29. $22 + (-14) + (-35)$	30. $-13 + 27 + (-18)$
31. $-19 + 26 + 14$	32. $-32 + (-17) + 42$	33. $-41 + (-15) + (-29)$

Tell how the Commutative and Associative Properties of Addition can help you find the sum mentally. Then find the sum.

34. $9 + 6 + (-6)$	35. $-8 + 13 + (-13)$	36. $9 + (-17) + (-9)$
37. $7 + (-12) + (-7)$	38. $-12 + 25 + (-15)$	39. $6 + (-9) + 14$