

LESSON
1-2

Adding Integers with Different Signs

Practice and Problem Solving: C

Tell whether each sum will be positive or negative. Then find each sum.

1. $-3 + (-7)$

2. $14 + (-9)$

3. $-12 + 5$

4. $-3 + 8$

5. $11 + (-5)$

6. $7 + 8$

7. $-8 + 7$

8. $-2 + 3$

9. If two integers have the same sign, what is the sign of their sum?

10. When adding two integers with different signs, how do you find the sign?

Evaluate $a + b$ for the given values.

11. $a = 9, b = -24$

12. $a = -17, b = -7$

13. $a = 32, b = -19$

14. $a = -15, b = -15$

15. $a = -20, b = 20$

16. $a = -30, b = 12$

Solve.

17. The high temperature for the day dropped 7°F between Monday and Tuesday, rose 9°F on Wednesday, dropped 2°F on Thursday, and dropped 5°F on Friday. What was the total change in the daily high temperature from Monday to Friday?

18. Karen deposited \$25 in the bank on Monday, \$50 on Wednesday and \$15 on Friday. On Saturday, she took out \$40. Karen's original balance was \$100. What is her balance now?

19. Lance and Rita were tied in a game. Then Lance got these scores: 19, -7 , 3, -11 , 5. Rita got these scores: 25, -9 , 5, -9 , 8. Who had the higher score? How much higher was that higher score?
