Order of Operations

Simplify. Follow the order of operations.

1. \((6 + 3) \times 4\)
2. \((7 - 5) \times 6\)
3. \((15 + 3) \div 6\)

4. \(8 + (5 \times 3)\)
5. \(9 - (21 \div 7)\)
6. \(3 \times (12 - 8)\)

7. \(7 + (6 \times 3) - 10\)
8. \(30 - (3 \times 3) + 4\)
9. \((18 - 3) \div 5\)

10. \(6 + 5 \times 4 - 7\)
11. \(18 + 9 \times 7 - 13\)
12. \(5 \times (6 + 3) \times 2\)

Copy the expression. Then insert parentheses to make 10.

13. \(30 + 20 \div 5\)
14. \(3 + 14 \div 2\)
15. \(6 \times 3 - 8\)

16. \(1 + 27 \div 3\)
17. \(9 - 7 \times 5\)
18. \(35 \div 7 + 5\)

Test Prep

19. Karen owns 3 guitars that have 6 strings each and 2 mandolins that have 8 strings each. How many strings do her instruments have in all?

A 34  C 19
B 36  D 5

20. David owns 4 guitars with 6 strings each and a guitar with 4 main strings and 22 special resonating strings. How many strings do his instruments have in all? Explain how you found your answer.

Use with text pages 110–111.