Order of Operations Set C

Name: _____

Three operations with parentheses. Show each step.

1. **11 + 4 × (8 + 8) =**
2. **4 × (9 + 7) – 12 =**
3. **(12 – 2) × 2 + 8 =**
4. **3 × (12 – 9) + 11 =**
5. **4 + (4 + 10) × 4 =**
6. **5 × (7 + 3) – 3 =**
7. **5 × (7 + 12) + 2 =**
8. **12 × (3 – 2) – 6 =**
9. **11 × 10 – (10 + 10) =**
10. **(10 – 6) ÷ 2 + 7 =**
11. **(3 + 6) × 5 × 5 =**
12. **3 × (3 + 5) + 8 =**
13. **(7 + 2) × 18 ÷ 9 =**
14. **63 ÷ 9 × (12 – 4) =**

Order of Operations Set C (Answer Key)

Three operations with parentheses. Show each step.

1. **11 + 4 × (8 + 8) =**
   = 11 + 4 × 16
   = 11 + 64
   = 75

2. **4 × (9 + 7) – 12 =**
   = 4 × 16 – 12
   = 64 – 12
   = 52

3. **(12 – 2) × 2 + 8 =**
   = 10 × 2 + 8
   = 20 + 8
   = 28

4. **3 × (12 – 9) + 11 =**
   = 3 × 3 + 11
   = 9 + 11
   = 20

5. **4 + (4 + 10) × 4 =**
   = 4 + 14 × 4
   = 4 + 56
   = 60

6. **5 × (7 + 3) – 3 =**
   = 5 × 10 – 3
   = 50 – 3
   = 47

7. **5 × (7 + 12) + 2 =**
   = 5 × 19 + 2
   = 95 + 2
   = 97

8. **12 × (3 – 2) – 6 =**
   = 12 × 1 – 6
   = 12 – 6
   = 6

9. **11 × 10 – (10 + 10) =**
   = 11 × 10 – 20
   = 110 – 20
   = 90

10. **(10 – 6) ÷ 2 + 7 =**
    = 4 ÷ 2 + 7
    = 2 + 7
    = 9

11. **(3 + 6) × 5 × 5 =**
    = 9 × 5 × 5
    = 45 × 5
    = 225

12. **3 × (3 + 5) + 8 =**
    = 3 × 8 + 8
    = 24 + 8
    = 32

13. **(7 + 2) × 18 ÷ 9 =**
    = 9 × 18 ÷ 9
    = 162 ÷ 9
    = 18

14. **63 ÷ 9 × (12 – 4) =**
    = 63 ÷ 9 × 8
    = 7 × 8
    = 56