

4-Step Order of Operations - Spiral Mixed Review Answers

A) Evaluate

1. $(9+5)=14 \rightarrow (7-3)=4 \rightarrow 14 \times 4=56 \rightarrow 56-6 = \mathbf{50}$
2. $(10-6)=4 \rightarrow 32 \div 4=8 \rightarrow (3 \times 4)=12 \rightarrow 8+12 = \mathbf{20}$
3. $(24-8)=16 \rightarrow (12-8)=4 \rightarrow 16 \div 4=4 \rightarrow 4+9 = \mathbf{13}$
4. $(11-7)=4 \rightarrow (20 \div 5)=4 \rightarrow 6 \times 4=24 \rightarrow 24+4 = \mathbf{28}$
5. $(18+6)=24 \rightarrow (7-4)=3 \rightarrow 24 \div 3=8 \rightarrow 8-5 = \mathbf{3}$

B) Missing Factor (values for blanks)

6. **5** ($(5+3) \times 5 - 4 = 8 \times 5 - 4 = 40 - 4 = 36$)
7. **6** ($40 \div (6-2) + 3 = 40 \div 4 + 3 = 10 + 3 = 13$)
8. **6** ($(18-6) \div (9-6) + 8 = 12 \div 3 + 8 = 4 + 8 = 12$)
9. **3** ($5 \times (3+4) + (14 \div 2) = 5 \times 7 + 7 = 35 + 7 = 42$)
10. **4** ($(16 \div 4) + (9+3) \times 2 = 4 + 12 \times 2 = 4 + 24 = 28$)

C) Multiple Choice

11. $(9+2)=11 \rightarrow (5-1)=4 \rightarrow 11 \times 4=44 \rightarrow 44-7 = \mathbf{37} \rightarrow \mathbf{C}$
12. $(10-6)=4 \rightarrow 28 \div 4=7 \rightarrow (6+5)=11 \rightarrow 7+11 = \mathbf{18} \rightarrow \mathbf{B}$
13. $(30-12)=18 \rightarrow (9-6)=3 \rightarrow 18 \div 3=6 \rightarrow 6+5 = \mathbf{11} \rightarrow \mathbf{C}$
14. $(3 \times 2)=6 \rightarrow (7-1)=6 \rightarrow 18 \div 6=3 \rightarrow 3+6 = \mathbf{9} \rightarrow \mathbf{C}$
15. $(14-6)=8 \rightarrow (4+3)=7 \rightarrow 8 \times 7=56 \rightarrow 56-5 = \mathbf{51} \rightarrow \mathbf{C}$