Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 1 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. $14 + [6 \times (19 + 2)] =$ _____
2. $3 \times [(4 + 9) + 6] =$ _____
3. $[10 \times (19 - 1)] \times 2 =$ _____
4. $6 - [3 \div (3 - 2)] =$ _____
5. $15 + [15 \times (19 + 4)] =$ _____
6. $12 + [13 \times (6 - 2)] =$ _____

Part B: Parentheses, brackets and braces

7. $\{2 + [9 \times (19 \times 5)]\} + 9 =$ _____
8. $\{13 \times [(19 + 1) - 10]\} - 14 =$ _____
9. $\{14 + [(19 \times 5) - 7]\} + 12 =$ _____
10. $11 + \{3 + [(5 + 1) \times 2]\} =$ _____
11. $\{5 \times [5 \times (16 - 10)]\} - 7 =$ _____
12. $\{13 \div [5 + (14 - 6)]\} \times 6 =$ _____
13. $\{[12 \div (3 - 2)] - 5\} + 5 =$ _____
14. $\{[(4 + 8) \times 13] \div 13\} \div 6 =$ _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 2 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. $14 + [(14 \times 2) \times 4] =$ _____
2. $11 + [(9 + 5) - 5] =$ _____
3. $12 + [(11 - 9) \times 9] =$ _____
4. $[(12 + 10) \div 11] + 4 =$ _____
5. $8 + [(16 + 7) \times 15] =$ _____
6. $5 - [(3 \times 12) \div 12] =$ _____

Part B: Parentheses, brackets and braces

7. $7 + \{[4 \times (7 - 5)] - 4\} =$ _____
8. $\{[(13 \div 1) + 14] + 15\} + 13 =$ _____
9. $\{7 + [11 - (12 - 11)]\} - 7 =$ _____
10. $12 + \{10 + [15 \times (15 + 6)]\} =$ _____
11. $2 + \{8 \times [9 + (16 + 7)]\} =$ _____
12. $3 \times \{[7 + (10 + 5)] + 7\} =$ _____
13. $\{[15 + (13 + 10)] \times 8\} + 13 =$ _____
14. $\{8 + [(11 + 12) + 9]\} \div 4 =$ _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 3 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. [3 + (2 × 1)] + 6 = _____
2. 6 × [6 + (10 ÷ 1)] = _____
3. 14 + [4 × (7 × 2)] = _____
4. [15 ÷ (5 ÷ 5)] × 4 = _____
5. [(17 × 8) – 13] ÷ 3 = _____
6. [7 × (13 × 3)] ÷ 13 = _____

Part B: Parentheses, brackets and braces

7. 3 + {[(16 – 10) + 11] + 11} = _____
8. {[3 + (20 – 6)] × 3} + 10 = _____
9. {[10 + (16 × 4)] – 14} – 6 = _____
10. 15 + {[(10 + 1) × 6] ÷ 3} = _____
11. 5 + {4 ÷ [4 × (8 – 7)]} = _____
12. {[(3 + 3) × 7] – 2} × 4 = _____
13. 11 + {[(5 + 8) + 7] + 14} = _____
14. 2 × {[(4 × 8) × 4] ÷ 2} = _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 4 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. $6 – [(14 – 2) – 11] =$ _____
2. $5 + [(17 \times 7) + 10] =$ _____
3. $[15 – (9 – 3)] \times 8 =$ _____
4. $15 + [(12 + 1) + 14] =$ _____
5. $[11 + (11 \times 4)] + 13 =$ _____
6. $[9 \times (16 – 9)] – 8 =$ _____

Part B: Parentheses, brackets and braces

7. $\{[(15 – 9) + 8] + 12\} – 3 =$ _____
8. $\{9 + [(6 + 6) + 8]\} + 3 =$ _____
9. $5 \times \{[8 + (14 – 6)] \times 5\} =$ _____
10. $\{10 \times [9 \times (18 – 12)]\} – 10 =$ _____
11. $\{9 – [(8 \times 7) \div 14]\} + 11 =$ _____
12. $\{7 – [10 – (7 + 2)]\} \times 10 =$ _____
13. $\{7 + [15 + (14 + 9)]\} – 10 =$ _____
14. $\{6 \times [6 + (4 \times 5)]\} + 13 =$ _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 5 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. [(10 ÷ 1) + 5] × 6 = _____
2. [2 + (2 × 2)] + 6 = _____
3. [6 × (16 × 1)] + 8 = _____
4. [(5 + 1) ÷ 6] + 11 = _____
5. 2 + [(17 + 3) – 14] = _____
6. 15 × [(8 × 3) ÷ 2] = _____

Part B: Parentheses, brackets and braces

7. {[(19 – 9) × 5] + 6} – 3 = _____
8. 12 × {[3 ÷ (6 ÷ 2)] × 15} = _____
9. 15 + {[2 + (3 × 12)] – 4} = _____
10. 2 × {8 × [10 + (7 + 12)]} = _____
11. {10 + [7 + (5 × 3)]} ÷ 8 = _____
12. {[11 × (13 + 11)] + 6} – 13 = _____
13. 4 + {[(3 × 3) – 3] + 5} = _____
14. 4 × {[(11 × 3) + 5] – 12} = _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 6 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. [8 + (6 + 3)] – 13 = _____
2. [(9 + 8) + 4] + 11 = _____
3. [(19 + 4) – 6] + 10 = _____
4. [(2 + 9) + 8] + 9 = _____
5. [15 + (10 + 9)] + 7 = _____
6. 5 + [(2 ÷ 2) + 7] = _____

Part B: Parentheses, brackets and braces

7. 2 × {4 ÷ [(10 – 5) ÷ 5]} = _____
8. 5 + {5 × [(8 ÷ 1) – 7]} = _____
9. 9 × {11 + [2 + (5 × 1)]} = _____
10. 6 + {4 × [10 + (7 × 8)]} = _____
11. 12 + {14 + [11 × (18 – 9)]} = _____
12. 10 + {[12 × (11 ÷ 1)] – 9} = _____
13. {[10 – (9 ÷ 9)] × 6} – 7 = _____
14. {[2 + (6 ÷ 2)] × 8} + 15 = _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 7 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. [(15 – 12) + 8] + 4 = _____
2. [(19 × 5) – 15] – 2 = _____
3. [8 + (8 + 8)] – 2 = _____
4. 8 + [8 × (8 + 6)] = _____
5. [(7 × 10) – 15] × 10 = _____
6. [(9 + 4) + 10] × 4 = _____

Part B: Parentheses, brackets and braces

7. {[14 × (10 × 1)] + 3} + 7 = _____
8. {[(20 ÷ 2) + 3] × 13} + 6 = _____
9. 3 + {[(13 × 12) ÷ 12] × 15} = _____
10. {[4 × (16 × 7)] – 7} – 15 = _____
11. {[(3 + 12) + 10] – 4} + 15 = _____
12. {[(6 + 11) × 4] ÷ 4} + 13 = _____
13. {11 + [(10 – 6) + 12]} × 15 = _____
14. 8 + {[11 × (8 + 9)] × 4} = _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 8 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. [4 + (16 – 3)] + 9 = _____
2. [(7 + 4) – 8] × 8 = _____
3. 12 ÷ [5 ÷ (15 ÷ 3)] = _____
4. [(10 – 2) + 12] – 14 = _____
5. [(16 + 10) – 5] – 8 = _____
6. 9 + [(15 × 2) – 11] = _____

Part B: Parentheses, brackets and braces

7. {3 × [(9 × 9) + 9]} – 7 = _____
8. {6 + [(18 + 6) × 14]} – 6 = _____
9. 4 + {[(10 + 10) + 7] – 8} = _____
10. {[14 × (5 × 10)] ÷ 2} + 3 = _____
11. {5 × [13 × (9 – 2)]} + 2 = _____
12. 2 × {[(20 + 6) + 7] × 7} = _____
13. {7 + [(19 – 3) × 14]} – 8 = _____
14. 12 + {13 + [(5 + 8) + 12]} = _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 9 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. $9 + [(2 \times 8) - 6] =$ _____
2. $15 + [8 + (7 + 1)] =$ _____
3. $[(8 \times 7) + 5] \times 9 =$ _____
4. $[12 \div (9 - 7)] \times 6 =$ _____
5. $7 + [(5 \times 6) + 2] =$ _____
6. $5 \times [7 \times (3 + 6)] =$ _____

Part B: Parentheses, brackets and braces

7. $\{5 + [(17 - 4) - 9]\} \times 15 =$ _____
8. $\{2 + [(18 \times 8) \div 4]\} + 4 =$ _____
9. $2 \times \{10 \times [(20 - 8) \div 2]\} =$ _____
10. $\{5 + [(6 - 2) - 2]\} \times 13 =$ _____
11. $4 + \{14 + [7 \times (9 - 6)]\} =$ _____
12. $\{[(17 + 10) - 11] - 7\} + 2 =$ _____
13. $6 \times \{5 + [13 + (17 + 5)]\} =$ _____
14. $\{4 + [(11 \times 8) - 14]\} \times 9 =$ _____

Name: _____ Date: _____

Order of Operations With Parentheses, Brackets and Braces

Grade 5 | Evaluating expressions with nested parentheses, brackets and braces | Version 10 of 10

Evaluate. Work from the inside out: parentheses ( ), then brackets [ ], then braces { }. Inside each, multiply and divide from left to right, then add and subtract.

Part A: Parentheses and brackets

1. $[9 \div (3 \times 1)] \times 10 =$ _____
2. $12 + [(9 \times 2) - 6] =$ _____
3. $9 + [(3 + 1) \times 13] =$ _____
4. $[(19 - 4) \times 14] - 15 =$ _____
5. $9 \times [(17 + 4) + 7] =$ _____
6. $3 + [(15 \times 9) \div 9] =$ _____

Part B: Parentheses, brackets and braces

7. $\{[10 \div (13 - 12)] - 6\} + 12 =$ _____
8. $5 + \{[15 + (6 \times 10)] + 13\} =$ _____
9. $2 + \{[10 + (14 - 5)] \times 6\} =$ _____
10. $15 \times \{6 + [(16 + 8) + 15]\} =$ _____
11. $\{9 + [(5 \times 8) - 9]\} \times 3 =$ _____
12. $\{15 \div [15 \div (5 \times 3)]\} \times 15 =$ _____
13. $\{[(9 \div 3) \times 6] - 3\} - 3 =$ _____
14. $13 + \{2 + [(3 + 6) \times 6]\} =$ _____