Name: _____ Date: _____

Writing Numerical Expressions

Grade 5 | Writing expressions from words and interpreting them without calculating | Version 8 of 10

Use parentheses to show which operation comes first. Example: "add 5 and 3, then multiply by 2" is (5 + 3) × 2.

Part A: Write an expression for each phrase. Do not solve.

1. Half of the difference of 31 and 25: _____

2. Subtract 10 from 25, then multiply by 5: _____

3. Multiply 7 by 7, then add 14: _____

4. Divide 96 by 8, then subtract 1: _____

5. Add 6 to the product of 8 and 12: _____

Part B: Write an expression, then evaluate it.

6. Add 6 and 7, then multiply by 6: _____

7. 7 times the sum of 13 and 24: _____

8. Subtract 6 from 51, then divide by 9: _____

Part C: Compare without calculating.

9. Compare 6 × (1,956 + 357) with 1,956 + 357. The first is _____

10. Compare 3 × (2,798 + 174) with 2,798 + 174. The first is _____

11. Compare 5 × (1,437 + 184) with 1,437 + 184. The first is _____

Writing Numerical Expressions - ANSWER KEY

Grade 5 | Writing expressions from words and interpreting them without calculating | Version 8 of 10

Use parentheses to show which operation comes first. Example: "add 5 and 3, then multiply by 2" is (5 + 3) × 2.

Part A: Write an expression for each phrase. Do not solve.

1. Half of the difference of 31 and 25: **(31 – 25) ÷ 2**
2. Subtract 10 from 25, then multiply by 5: **(25 – 10) × 5**
3. Multiply 7 by 7, then add 14: **7 × 7 + 14**
4. Divide 96 by 8, then subtract 1: **96 ÷ 8 – 1**
5. Add 6 to the product of 8 and 12: **8 × 12 + 6**

Part B: Write an expression, then evaluate it.

6. Add 6 and 7, then multiply by 6: **(6 + 7) × 6 = 78**
7. 7 times the sum of 13 and 24: **7 × (13 + 24) = 259**
8. Subtract 6 from 51, then divide by 9: **(51 – 6) ÷ 9 = 5**

Part C: Compare without calculating.

9. Compare 6 × (1,956 + 357) with 1,956 + 357. The first is **6 times as large**
10. Compare 3 × (2,798 + 174) with 2,798 + 174. The first is **3 times as large**
11. Compare 5 × (1,437 + 184) with 1,437 + 184. The first is **5 times as large**