Writing Numerical Expressions - ANSWER KEY

Grade 5 | Writing expressions from words and interpreting them without calculating | Version 6 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. Multiply 5 by 6, then add 21: **5 × 6 + 21**
2. Add 13 and 11, then multiply by 3: **(13 + 11) × 3**
3. Half of the difference of 33 and 3: **(33 – 3) ÷ 2**
4. 9 times the sum of 13 and 17: **9 × (13 + 17)**
5. Subtract 6 from 24, then divide by 6: **(24 – 6) ÷ 6**

Part B: Write an expression, then evaluate it.

6. Divide 56 by 8, then subtract 1: **56 ÷ 8 – 1 = 6**
7. Add 14 to the product of 7 and 9: **7 × 9 + 14 = 77**
8. Subtract 3 from 37, then multiply by 5: **(37 – 3) × 5 = 170**

Part C: Compare without calculating.

9. Compare 5 × (614 + 742) with 614 + 742. The first is **5 times as large**
10. Compare 4 × (2,156 + 276) with 2,156 + 276. The first is **4 times as large**
11. Compare 3 × (806 + 253) with 806 + 253. The first is **3 times as large**