Writing Numerical Expressions - ANSWER KEY

Grade 5 | Writing expressions from words and interpreting them without calculating | Version 2 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. Subtract 24 from 55, then multiply by 6: **(55 – 24) × 6**
2. Divide 20 by 4, then subtract 1: **20 ÷ 4 – 1**
3. Multiply 4 by 11, then add 21: **4 × 11 + 21**
4. Add 17 and 6, then multiply by 6: **(17 + 6) × 6**
5. Half of the difference of 27 and 13: **(27 – 13) ÷ 2**

Part B: Write an expression, then evaluate it.

6. Subtract 5 from 47, then divide by 6: **(47 – 5) ÷ 6 = 7**
7. Add 7 to the product of 3 and 7: **3 × 7 + 7 = 28**
8. 2 times the sum of 23 and 21: **2 × (23 + 21) = 88**

Part C: Compare without calculating.

9. Compare 6 × (2,076 + 472) with 2,076 + 472. The first is **6 times as large**
10. Compare 5 × (1,820 + 730) with 1,820 + 730. The first is **5 times as large**
11. Compare 3 × (2,902 + 915) with 2,902 + 915. The first is **3 times as large**