Writing Numerical Expressions - ANSWER KEY

Grade 5 | Writing expressions from words and interpreting them without calculating | Version 10 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. Add 24 to the product of 3 and 11: **3 × 11 + 24**
2. Multiply 6 by 8, then add 13: **6 × 8 + 13**
3. 8 times the sum of 11 and 12: **8 × (11 + 12)**
4. Subtract 4 from 49, then multiply by 2: **(49 – 4) × 2**
5. Half of the difference of 61 and 21: **(61 – 21) ÷ 2**

Part B: Write an expression, then evaluate it.

6. Subtract 17 from 65, then divide by 4: **(65 – 17) ÷ 4 = 12**
7. Add 6 and 13, then multiply by 5: **(6 + 13) × 5 = 95**
8. Divide 40 by 8, then subtract 2: **40 ÷ 8 – 2 = 3**

Part C: Compare without calculating.

9. Compare 5 × (1,180 + 481) with 1,180 + 481. The first is **5 times as large**
10. Compare 4 × (2,129 + 522) with 2,129 + 522. The first is **4 times as large**
11. Compare 3 × (1,536 + 913) with 1,536 + 913. The first is **3 times as large**