Writing Numerical Expressions - ANSWER KEY

Grade 5 | Writing expressions from words and interpreting them without calculating | Version 5 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 12 by 3, then add 2: **12 × 3 + 2**
2. Subtract 29 from 56, then multiply by 4: **(56 – 29) × 4**
3. Add 35 to the product of 4 and 12: **4 × 12 + 35**
4. Divide 108 by 9, then subtract 8: **108 ÷ 9 – 8**
5. 2 times the sum of 6 and 4: **2 × (6 + 4)**

Part B: Write an expression, then evaluate it.

6. Half of the difference of 29 and 25: **(29 – 25) ÷ 2 = 2**
7. Add 16 and 4, then multiply by 5: **(16 + 4) × 5 = 100**
8. Subtract 12 from 16, then divide by 2: **(16 – 12) ÷ 2 = 2**

Part C: Compare without calculating.

9. Compare 4 × (1,260 + 305) with 1,260 + 305. The first is **4 times as large**
10. Compare 6 × (1,321 + 684) with 1,321 + 684. The first is **6 times as large**
11. Compare 3 × (2,820 + 764) with 2,820 + 764. The first is **3 times as large**