Writing Numerical Expressions - ANSWER KEY

Grade 5 | Writing expressions from words and interpreting them without calculating | Version 3 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 46 and 6: **(46 – 6) ÷ 2**
2. Add 17 and 17, then multiply by 4: **(17 + 17) × 4**
3. Subtract 32 from 45, then multiply by 5: **(45 – 32) × 5**
4. Add 15 to the product of 3 and 12: **3 × 12 + 15**
5. 3 times the sum of 10 and 5: **3 × (10 + 5)**

Part B: Write an expression, then evaluate it.

6. Multiply 4 by 2, then add 13: **4 × 2 + 13 = 21**
7. Subtract 1 from 23, then divide by 2: **(23 – 1) ÷ 2 = 11**
8. Divide 80 by 8, then subtract 6: **80 ÷ 8 – 6 = 4**

Part C: Compare without calculating.

9. Compare 3 × (1,387 + 752) with 1,387 + 752. The first is **3 times as large**
10. Compare 4 × (1,354 + 914) with 1,354 + 914. The first is **4 times as large**
11. Compare 4 × (1,111 + 606) with 1,111 + 606. The first is **4 times as large**