3-Step Order of Operations Word Problems

Directions: Solve each riddle by translating it into a math expression and evaluating it using the order of operations. Show work if needed.

1. **Field-Trip Lunches**

   You pack 5 lunch boxes. Each box has 6 sandwiches, but 1 per box is removed for allergies. Then you add 4 backup sandwiches. How many sandwiches now?

2. **Science Kit Tubes**

   You assemble 4 science kits. Each kit has 9 test tubes, but 3 per kit are broken and tossed. Later, 8 new tubes are donated. How many tubes total?

3. **Tickets for a Group**

   A group buys 7 adult tickets at $5 each and 4 child tickets at $3 each. How much do they spend in total?

4. **Shelves & Extras**

   There are 36 books and (5 + 1) shelves. After dividing the books evenly, you add 2 more books to each shelf. How many books per shelf now?

5. **Cookie Trays**

   You bake 3 trays of cookies with 10 cookies each. Then 4 cookies per tray are eaten. Later, you add 6 fresh cookies. How many cookies total?

6. **Beads for Friends**

   You have 48 beads to share among (5 + 1) friends. After sharing evenly, each friend gets 3 bonus beads. How many beads does each friend end up with?

7. **League Points**

   You start a season with 15 points. You score 4 goals worth 2 points each, then lose 6 points for a penalty. What's your final total?

8. **Warehouse Pallets**

   There are 45 boxes. Each pallet holds (8 − 3) boxes. You also set aside 1 empty pallet for labeling. How many pallets are used in total?

9. **Tournament Games**

   A tournament runs 4 days with (3 games − 1 rainout) each day. Then 5 make-up games are scheduled. How many games will be played?

10. **Art Supply Bundles**

    You buy 2 bundles. Each bundle has 7 markers and 4 crayons. Later, 6 markers are lost. How many items are left?