3-Step Order of Operations Math Riddles

Directions: Translate each situation into a math expression and solve using PEMDAS. Show **three** steps.

1. Crates & Spoilage + Bonus
A grocer loads 4 crates. Each crate has 6 apples, but 2 per crate are spoiled and tossed. Then the manager adds 5 bonus apples. How many apples now?

2. Sticker Packs Giveaway
You buy 3 packs. Each pack has 8 stickers and 2 holographic extras. You give away 7 stickers total. How many stickers remain?

3. Big-Slice Pizzas
There are 3 pizzas. Each pizza is cut into half of 8 slices (large slices). Then 4 slices are eaten. How many slices remain?

4. Bins of Pencils
A teacher has 25 pencils and buys 10 more. She splits them evenly into 5 bins, then adds 3 more pencils to each bin. How many pencils per bin now?

5. Game Missions & Penalty
You start with 12 points. You complete 4 missions worth 3 points each, then you lose 5 points. What's your final score?

6. Cookie Trays to Bags
You bake 2 trays. Each tray has 9 cookies, but 3 are burnt on each tray and thrown out. You pack the rest into bags of 4. How many full bags?

7. Shelving Books + Extra Per Shelf
You have 48 books and (7 − 3) shelves. After dividing books evenly, you place 2 extra books on each shelf. How many on each shelf now?

8. Bead Sets + Bonus Beads
You have 5 sets. Each set has 7 beads, but 2 per set are chipped and removed. Then you add 10 bonus beads. How many beads total?

9. Tickets for a Group
A group buys 6 adult tickets at $8 each and 3 child tickets at $5 each. How much money do they spend in total?