

Name _____



4-Step Order of Operations - Word Problems

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

1. Crates: Apples & Spoilage

A grocer loads 4 crates. Each crate has 6 apples and 2 oranges. Then 3 pieces per crate are spoiled and tossed. How many pieces of fruit remain total?

2. Sticker Packs & Freebies

You buy 3 packs. Each pack has 8 stickers plus 2 holographic extras. You give away 7 stickers total, then get 5 freebies. How many stickers now?

3. Pizza Slices + Bonus Pie

You have 3 pizzas, each cut into half of 8 slices. Then 4 slices are eaten, and later a mini pizza with 6 slices is added. How many slices are there now?

4. Group Tickets with Discount

A group buys 6 adult tickets at \$8 each and 3 child tickets at \$5 each. They use a \$7 coupon off the total. How much do they pay?

5. Workshop Boxes: Bolts & Screws

Pack 4 boxes. Each box has 9 bolts with 2 defective removed, plus 3 extra screws per box. How many items are packed in total?

6. Season Points: Wins, Penalty, Bonus

You start with 12 points. You earn 3 wins worth 4 points each, then get a 5-point penalty, and later a 2-point bonus. What's your final score?

7. Race Water Stations

Set up 4 stations. Each station gets 9 bottles, but 2 per station spill. Then 6 extra bottles are found, and 3 bottles are used by volunteers. How many bottles remain?

8. Chemistry Sets + Donations

Make 5 sets. Each set has 7 test tubes, but 2 per set are broken and tossed. Then 10 tubes are donated, and 4 are reserved for the teacher. How many tubes are left for students?

9. Social Posts Plan

Plan 6 days of posts with 5 per day, but 2 per day are replaced by sponsored slots. You also add 4 bonus posts, then cancel 1 draft. How many organic posts go live?