Multistep Word Problems

Apply the skill to decisions and designs

Name _____ **Date** _____ **Score** _____ / 8

QUICK REVIEW

Use the order in the story, then check the units. For 3 packs of 8 cards with 5 given away: $3 \times 8 = 24$ cards and $24 - 5 = 19$ cards left. A remainder means a partial group; $19 \div 4 = 4$ remainder 3 needs 5 boxes if every card must fit.

Worked example

A club buys 4 packs of 9 pencils and gives away 11. How many remain?

1. $4 \times 9 = 36$ pencils are bought.
2. $36 - 11 = 25$ pencils remain.
3. $25 + 11 = 36$ checks the subtraction.
Answer: 25 pencils.

Practice Problems

Show your thinking.

1. A booth sells 8 tickets at 7 dollars each and pays 19 in costs. Find the money left.

2. A team needs 90 flags. It has 4 packs of 18. How many more flags are needed?

3. Two trails are 125 m and 175 m. Walk their combined length 3 times. Find the distance.

4. A club has 84 beads and uses 28. Divide the rest equally into 7 kits. How many per kit?

5. 47 guests and 6 helpers need tables seating 6. What is the least number of tables?

6. Fix the plan: 80 markers minus 3 packs of 12 gives $(80 - 3) \times 12$.

7. A booth earns 48 dollars after paying 16 in costs. Each ticket costs 8 dollars. How many tickets were sold?

8. Make a short bar model for 4 equal 13-item packs with 9 items removed. Find what remains.



Answer Key

1. 37 dollars.
2. 18 flags.
3. 900 m.
4. 8 beads.
5. 9 tables.
6. 44 markers remain.
7. 8 tickets.
8. 43 items.

Step-by-Step Solutions

Follow each calculation, then check your own work.

Problem 1

1. $8 \times 7 = 56$.
2. $56 - 19 = 37$.
3. $37 + 19 = 56$.

Problem 2

1. $4 \times 18 = 72$.
2. $90 - 72 = 18$.
3. $72 + 18 = 90$.

Problem 3

1. $125 + 175 = 300$.
2. $300 \times 3 = 900$.
3. $900 \div 3 = 300$.

Problem 4

1. $84 - 28 = 56$.
2. $56 \div 7 = 8$.
3. $7 \times 8 + 28 = 84$.

Problem 5

1. $47 + 6 = 53$ people need seats.
2. $53 \div 6 = 8$ remainder 5; 8 tables seat only 48.
3. Use 9 tables, which seat $9 \times 6 = 54$ people.

Problem 6

1. The packs use $3 \times 12 = 36$ markers.
2. Subtract that total: $80 - 36 = 44$.
3. $44 + 36 = 80$ checks the remaining count.

Problem 7

1. Before costs, sales were $48 + 16 = 64$ dollars.
2. $64 \div 8 = 8$ tickets.
3. $8 \times 8 - 16 = 48$ dollars checks the profit.

Problem 8

1. The four equal packs contain $4 \times 13 = 52$ items.
2. Cross out 9 items: $52 - 9 = 43$.
3. $43 + 9 = 52$ checks the model.

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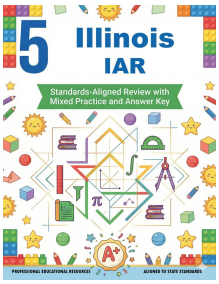

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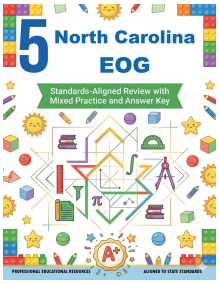

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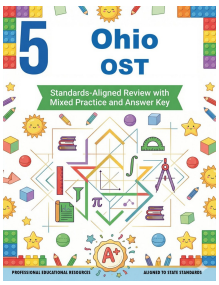

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