Multistep Word Problems

Spot mistakes, reason, and work backward

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 library has 75 books, lends 18, then gets 24 back. Find the new count.

2. A club pays 6 dollars for each of 7 kits and has 60 dollars. Find the money left.

3. Three boxes each contain 24 shells. Split all shells among 8 children. Find each share.

4. An orchard has 96 trees. Four equal rows have 15 trees each. How many trees are outside those rows?

5. A club has 50 dollars and earns 23 more. Games cost 8 dollars each. How many whole games can it buy?

6. Tim adds $24 + 6$ then divides by 3. The story says 24 books plus 6 boxes of 3 books. Correct his total.

7. Five equal packs and 7 loose stickers total 62. How many stickers are in a pack?

8. Complete the total in this order table: 3 boxes of 16 and 2 boxes of 12.

Boxes	Items per box
3	16
2	12

Answer Key

1. 81 books.
2. 18 dollars.
3. 9 shells.
4. 36 trees.
5. 9 games; 1 dollar left.
6. 42 books.
7. 11 stickers.
8. 72 items.

Step-by-Step Solutions

Follow each calculation, then check your own work.

Problem 1

1. $75 - 18 = 57$.
2. $57 + 24 = 81$.
3. $81 - 24 + 18 = 75$.

Problem 2

1. $6 \times 7 = 42$.
2. $60 - 42 = 18$.
3. $42 + 18 = 60$.

Problem 3

1. $3 \times 24 = 72$.
2. $72 \div 8 = 9$.
3. $8 \times 9 = 72$.

Problem 4

1. $4 \times 15 = 60$.
2. $96 - 60 = 36$.
3. $60 + 36 = 96$.

Problem 5

1. $50 + 23 = 73$ dollars are available.
2. $73 \div 8 = 9$ remainder 1 because $9 \times 8 = 72$.
3. A tenth game costs 80 dollars, more than 73.

Problem 6

1. The boxes hold $6 \times 3 = 18$ books.
2. Add the loose books: $24 + 18 = 42$.
3. $42 - 24 = 18$ confirms the boxed books.

Problem 7

1. Remove loose stickers: $62 - 7 = 55$.
2. Share among 5 packs: $55 \div 5 = 11$.
3. $5 \times 11 + 7 = 62$ checks the pack size.

Problem 8

1. First row: $3 \times 16 = 48$ items.
2. Second row: $2 \times 12 = 24$ items.
3. $48 + 24 = 72$ items in all.

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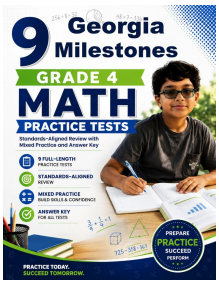

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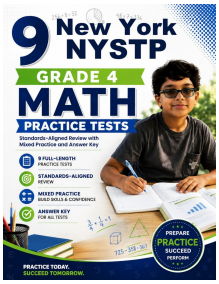

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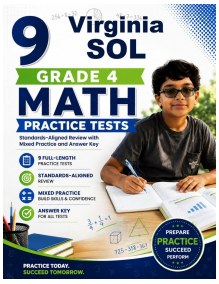

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