

Grade 4 - Multistep Word Problems - Quiz

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Name: _____ Class: _____ Date: ____/____/____

Choose the best answer for each of the 10 questions about multistep problems. Read each question carefully, then check the explanation to learn from any mistake.

Grade 4 · Common Core State Standards: **4.OA.A.3**

Questions

Question 1

Maya has 12 stickers. She buys 4 packs with 6 stickers in each pack. How many stickers does she have now?

- A. 96
- B. 36
- C. 24
- D. 22

Question 2

Liam has \$50. He buys 3 books that cost \$8 each. Which equation shows the money m he has left?

- A. $m = 50 - 3 \times 8$
- B. $m = 50 - 3 + 8$
- C. $m = (50 - 3) \times 8$
- D. $m = 50 \times 3 - 8$

Question 3

A banquet hall seats 7 people at each table. There are 45 people. How many tables are needed so that everyone has a seat?

- A. 6
- B. 3
- C. 8
- D. 7

Question 4

Ethan	x		
Sister	x	x	x

Together they have 84 cards.

Ethan has x cards. His sister has 3 times as many. Together they have 84 cards. What is x ?

- A. 28
- B. 21
- C. 252
- D. 81

Question 5

Which is the best estimate for $5 \times 29 + 48$?

- A. 150
- B. 250
- C. 200
- D. 193

Question 6

A bakery makes 8 trays of 12 rolls. It sells 70 rolls. How many rolls are left?

- A. 26
- B. 166
- C. 36
- D. 62

Question 7

Crates	48	48	48
Spoiled	25		

3 crates of 48 peaches; 25 spoiled.

How many peaches are good (not spoiled)?

- A. 144
- B. 73

- C. 119
- D. 169

Question 8

Diego reads 18 pages a day for 6 days and then 25 more pages. What is the first step to find the total pages?

- A. $18+6$
- B. $25+6$
- C. $25-18$
- D. 18×6

Question 9

Markers	25	25	25	25
Broken	13			

4 boxes of 25 markers; 13 are broken.

How many markers are not broken?

- A. 87
- B. 112
- C. 38
- D. 77

Question 10

Mei has 100 inches of ribbon. Each bow needs 8 inches. How many bows can she make?

- A. 13
- B. 12
- C. 4
- D. 96

Answers

1. **B** - First $4 \times 6 = 24$ stickers in the packs. Then $12 + 24 = 36$. Adding $12 + 4$ first and then multiplying by 6 gives 96.
2. **A** - The books cost 3×8 dollars, and that amount is subtracted from \$50.
3. **D** - $45 \div 7 = 6 \text{ R } 3$. Three people still need a seat, so round up to 7 tables.
4. **B** - There are 4 equal bars in all, so $4 \times x = 84$ and $x = 84 \div 4 = 21$. Dividing by 3 forgets Ethan's bar.
5. **C** - Round 29 to 30 and 48 to 50: $5 \times 30 + 50 = 200$. The exact answer is 193, which is not an estimate.
6. **A** - $8 \times 12 = 96$, and $96 - 70 = 26$. Adding gives 166.
7. **C** - $3 \times 48 = 144$, and $144 - 25 = 119$. Stopping after the first step gives 144.
8. **D** - The 6 days of reading make equal groups of 18 pages, so multiply 18×6 first. Then add 25.
9. **A** - $4 \times 25 = 100$, and $100 - 13 = 87$. Adding 13 gives 112.
10. **B** - $100 \div 8 = 12 \text{ R } 4$. The extra 4 inches are not enough for a bow, so the answer is 12.

Remember

- A multistep problem uses two or more of the four operations.
- Use a letter for the unknown and write an equation, such as $b = 6 \times 24 - 37$.
- Solve one step at a time and write units with each answer.
- Interpret a remainder by rereading the question: drop it, round up, or use it as the answer.
- Check with estimation by rounding the numbers and doing the same steps.