



# Multi-Digit Multiplication

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Multiple Choice

Circle the best answer for each question.

1. Grade 5 students need a 4-digit by 2-digit multiplication. Which problem fits?

- A) 234 times 56
- B) 1234 times 7
- C) 1248 times 36
- D) 12480 times 36

2. A stadium seats 1248 fans per section with 36 sections. Total fans?

- A) 44,928 fans
- B) 4,928 fans
- C) 44,488 fans
- D) 44,288 fans

3. Estimating 1248 times 36, the Grade 5 magnitude is closest to which value?

- A) About 4,000
- B) About 45,000
- C) About 450,000
- D) About 4,500

4. Which step should Grade 5 students do FIRST when solving a 4-digit by 2-digit word problem?

- A) Compute the exact product before reading
- B) Identify what is asked and the factors
- C) Round both numbers and stop
- D) Subtract one factor from the other

## Part B: Fill in the Blank

Write the correct answer on each line.

1. A Grade 5 student writes: a warehouse stores 1248 boxes in each of 36 trucks. Total boxes equals \_\_\_\_\_.
2. Estimating 1248 times 36, Grade 5 students round to 1250 times 36, which equals \_\_\_\_\_.
3. Difference between exact 44928 and estimate 45000 is \_\_\_\_\_.
4. If the 36 trucks each gain 12 more boxes, the new total is \_\_\_\_\_.
5. A Grade 5 explanation must include the question, factors, method, computation, and \_\_\_\_\_ check.

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**Part B: Fill in the Blank**

Write the correct answer on each line.

1. A Grade 5 student writes: a warehouse stores 1248 boxes in each of 36 trucks. Total boxes equals

44928 .

2. Estimating 1248 times 36, Grade 5 students round to 1250 times 36, which equals 45000 .

3. Difference between exact 44928 and estimate 45000 is 72 .

4. If the 36 trucks each gain 12 more boxes, the new total is 45360 .

5. A Grade 5 explanation must include the question, factors, method, computation, and magnitude check.