Multiplication of 4-digit number by a 3-digit number

A. Choose the correct answer:

1. What is the product of 1,205 × 103?

- a) 124,115
- b) 123,315
- c) 124,615
- d) 123,605

2. Which method helps best in solving 4-digit × 3-digit multiplication?

- a) Division
- b) Column/Vertical method
- c) Number line
- d) Repeated addition

3. The estimated product of 2,125 × 301 is closest to

- a) 600,000
- b) 500,000
- c) 700,000
- d) 800,000

B. Fill in the Blanks

- 1. 1,000 × 100 = _____
- 2. To multiply 2,341 × 213, we first multiply 2,341 by the digit in the _____ place of 213
- 3. 4-digit × 3-digit multiplication gives a product with up to ______ digits
- 4. The second step in column multiplication is multiplying the 4-digit number by the digit in the _____ place
- 5. 3,000 × 201 = _____

C. Different Type Questions

- 1. Multiply 1,432 × 124 using the vertical method and show all steps clearly
- 2. A company produces 1,246 toys in a day. How many toys will it produce in 125 days?
- 3. Estimate and find the actual product of 2,105 × 302
- 4. Multiply 3,218 × 101 using the expanded form

5. A school has 1,325 students and 104 notebooks are given to each. How many notebooks are distributed in total?

D. Mark each sentence with a True (\checkmark) or False (X):

- 1. $1,000 \times 100 = 1,000,000$
- 2. To multiply 2,345 × 321, we multiply 2,345 by 1, then 2, then 3
- 3. 3-digit multiplication with 4-digit numbers gives smaller products than 2-digit multiplication
- 4. Column method is useful in solving long multiplications stepby-step
- 5. 4-digit × 3-digit multiplication can be estimated using rounding

E. Miscellaneous Questions

- 1. Multiply 1,235 × 213 and write each step clearly
- 2. A train travels 1,432 km in one trip. How far will it travel in 132 trips?
- 3. Use estimation to find a quick answer to 2,209 × 309
- 4. Multiply $3,021 \times 108$ using the long multiplication method
- 5. Write a word problem using multiplication of a 4-digit and 3-digit number and solve it