

Unit 4: Wrapping Up Multiplication and Division with Multi-digit Numbers

ADVANCED

Name: _____ Date: _____

Show all your work. Write each final answer as a whole number, using the standard algorithm for multiplication and long division.

1. Multiply using the standard algorithm: 476×385

Answer: _____

3. Divide: $8,673 \div 42$. Give the quotient and remainder in the form Q r R.

Answer: _____

5. A factory packs 7,488 markers into boxes of 24. How many full boxes are made?

Answer: _____

7. Divide: $6,500 \div 52$. Give the quotient and remainder in the form Q r R.

Answer: _____

9. First find 96×145 , then divide that product by 32. What is the final quotient?

Answer: _____

11. Compute 704×208 , then subtract 9,532 from the product. What is the result?

Answer: _____

2. Multiply using the standard algorithm: $2,948 \times 67$

Answer: _____

4. A theater sold 348 tickets each night for 29 nights. How many tickets were sold in all?

Answer: _____

6. Compute 583×406 using the standard algorithm.

Answer: _____

8. A warehouse has 5,136 bottles to load onto trucks that each carry 48 bottles. Trucks may only leave when completely full. How many bottles are left over and not loaded?

Answer: _____

10. A school orders 18 crates of 375 apples each, then splits all the apples equally among 27 classrooms. How many apples does each classroom get, and how many are left over? Give the answer in the form Q r R.

Answer: _____