

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

ADVANCED • SET 2

Name: _____ Date: _____

Solve each problem using the standard algorithms for multi-digit multiplication and long division. Show your work on scratch paper, and write the exact final answer (include the remainder as "R" when there is one).

1. Use the standard algorithm to find the product:
 472×386 .

Answer: _____

3. A theater has 48 rows with 36 seats in each row. Every seat is sold, and each ticket costs \$27. What is the total ticket revenue, in dollars?

Answer: _____

5. Use the standard algorithm to find the product:
 907×253 .

Answer: _____

7. A factory has 7776 markers packed into boxes of 48 markers each. Each full box sells for \$15. What is the total value, in dollars, of all the boxes?

Answer: _____

9. Divide and give the quotient with its remainder:
 $5729 \div 43$.

Answer: _____

11. Use the standard algorithm to find the product:
 384×275 .

Answer: _____

2. Divide using long division and give the quotient with its remainder: $8452 \div 37$.

Answer: _____

4. Divide and give the quotient with its remainder:
 $6003 \div 24$.

Answer: _____

6. Divide: $9856 \div 64$.

Answer: _____

8. Find the product: $25 \times 16 \times 39$.

Answer: _____

10. A warehouse receives 3 shipments of 1250 boxes each. After 875 damaged boxes are removed, the rest are loaded equally onto 23 trucks. How many boxes are on each truck?

Answer: _____

12. Compute the quotient $7134 \div 29$, then find how much greater it is than 245.

Answer: _____