

Unit 6: Multiplying and Dividing Multi-digit Numbers

ADVANCED · SET 2

Name: _____

Date: _____

Solve each problem using partial products or partial quotients. Show your work on scratch paper and write the final answer.

1. Use partial products to multiply: 236×54 . What is the product?

Answer: _____

2. Use partial quotients to divide: $3128 \div 23$. What is the quotient?

Answer: _____

3. Multiply using partial products: 685×79 . What is the product?

Answer: _____

4. Divide using partial quotients: $4592 \div 28$. What is the quotient?

Answer: _____

5. Use partial products to multiply the multiple-of-ten factor: 308×46 . What is the product?

Answer: _____

6. Divide using partial quotients and give the whole-number quotient and remainder: $7854 \div 34$. Write your answer as quotient R remainder.

Answer: _____

7. First find 124×87 using partial products, then add 15600 to that product. What is the final total?

Answer: _____

8. Divide using partial quotients: $9256 \div 52$. What is the quotient?

Answer: _____

9. A factory packs 56 boxes per pallet with 43 pallets in the morning and the same number again in the afternoon. Using multiplication, how many boxes are packed in total that day?

Answer: _____

10. Divide $8127 \div 36$ using partial quotients. Write your answer as quotient R remainder.

Answer: _____

11. Find 47×68 using partial products, then divide that product by 34. What is the final quotient?

Answer: _____

12. A school orders 273 workbooks at \$18 each. Using partial products, what is the total cost in dollars?

Answer: _____