

Mathematics Worksheet: Lesson 3 - Divide Multi-Digit Whole Numbers

Name: _____

Class/Grade: 6th Grade

Date: _____

Part 1: Standard Division Algorithm

Directions: Find the quotient for each problem. Show your complete long division steps.

1. $2,874 \div 47$

2. $16,280 \div 55$

Part 2: Checking Division Using Multiplication

Directions: Solve the division problem, then use multiplication to check your answer.

3. $9,230 \div 65$

Part 3: Interpreting Remainders in Real-World Situations

Directions: Solve each word problem, interpret the remainder carefully in context, and explain your reasoning.

4. A library received 360 books and wants to place them equally on 15 shelves. How many books go on each shelf?
5. A warehouse has 18,745 boxes of supplies. Each truck can carry 64 boxes.
 - a. How many full trucks are needed?
 - b. How many boxes will be left over?
 - c. Explain whether an additional truck is required and justify your answer using the remainder.
6. A school orders 9,875 notebooks to be packed equally into 36 boxes.
 - a. How many notebooks are in each box?

- **b.** The supplier wants to add the fewest notebooks possible so every box has the same number with no remainder. How many notebooks must be added? Explain your reasoning.