

# LONG DIVISION

## Divide Step by Step

**Objective:** Divide step by step: divide, multiply, subtract, then bring down the next digit.

### INSTRUCTION

For each digit, divide, multiply, subtract, then bring down the next digit. Write the quotient on top of the line.

### EXAMPLE

Follow the steps to solve it.

$$\begin{array}{r}
 28 \\
 8 \overline{) 228} \\
 \underline{16} \phantom{0} \\
 68 \\
 \underline{64} \\
 4
 \end{array}$$

1  $22 \div 8 = 2$ ;  $2 \times 8 = 16$ ;  $22 - 16 = 6$ . Bring down the 8.

2  $68 \div 8 = 8$ ;  $8 \times 8 = 64$ ;  $68 - 64 = 4$ .

$$228 \div 8 = 28 \text{ R } 4$$

### INDEPENDENT PRACTICE

Solve each one. Show your work; write the quotient on top.

1.  $2 \overline{) 616}$

2.  $2 \overline{) 409}$

3.  $3 \overline{) 616}$

4.  $8 \overline{) 419}$

5.  $5 \overline{) 769}$

6.  $6 \overline{) 893}$

7.  $7 \overline{) 931}$

8.  $6 \overline{) 384}$

9.  $9 \overline{) 181}$

10.  $3 \overline{) 425}$

I solved by:  divided each place  checked by multiplying  wrote the remainder

TEACHER EDITION

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$$228 \div 8 = 28 \text{ R } 4$$

### INDEPENDENT PRACTICE

Solve each one. Show your work; write the quotient on top.

$$1. 2 \overline{) 308}$$

$$2. 2 \overline{) 409 \text{ R}1}$$

$$3. 3 \overline{) 616 \text{ R}1}$$

$$4. 8 \overline{) 52}$$

$$5. 5 \overline{) 153}$$

$$6. 6 \overline{) 148}$$

$$7. 7 \overline{) 931}$$

$$8. 6 \overline{) 384}$$

$$9. 9 \overline{) 20}$$

$$10. 3 \overline{) 141}$$

I solved by:  divided each place  checked by multiplying  wrote the remainder