

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.

$$\begin{array}{r}
 777 \\
 8 \overline{) 6218} \\
 \underline{-56} \\
 61 \\
 \underline{-56} \\
 58 \\
 \underline{-56} \\
 2
 \end{array}$$

1 $62 \div 8 = 7$; $7 \times 8 = 56$; $62 - 56 = 6$. Bring down the 1.

2 $61 \div 8 = 7$; $7 \times 8 = 56$; $61 - 56 = 5$. Bring down the 8.

3 $58 \div 8 = 7$; $7 \times 8 = 56$; $58 - 56 = 2$.

$$6218 \div 8 = 777 \text{ R } 2$$

INDEPENDENT PRACTICE

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

1. $2 \overline{) 1923}$

2. $6 \overline{) 2579}$

3. $3 \overline{) 7491}$

4. $3 \overline{) 2952}$

5. $6 \overline{) 2108}$

6. $9 \overline{) 4691}$

7. $7 \overline{) 7613}$

8. $9 \overline{) 5674}$

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

TEACHER EDITION

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$$6218 \div 8 = 777 \text{ R } 2$$

INDEPENDENT PRACTICE

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

$$1. 2 \overline{) 961} \text{ R } 1$$

$$2. 6 \overline{) 429} \text{ R } 5$$

$$3. 3 \overline{) 2497}$$

$$4. 3 \overline{) 984}$$

$$5. 6 \overline{) 351} \text{ R } 2$$

$$6. 9 \overline{) 521} \text{ R } 2$$

$$7. 7 \overline{) 1087} \text{ R } 4$$

$$8. 9 \overline{) 630} \text{ R } 4$$

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