

Name \_\_\_\_\_

Date \_\_\_\_\_

## Beginning Long Division - Step-by-Step Lesson

### Lesson 1 Divide:

$$752 \div 7 =$$

### Explanation:

Step 1) First we look to see what is being asked of us.

“Divide numbers”

Step 2) Rewrite the problem:

$$7 \overline{)752}$$

The first digit is equal to 7. Start with the first digit. Divide the hundreds.

$$\begin{array}{r} 1 \\ 7 \overline{)752} \\ \underline{7} \\ 0 \end{array}$$

Divide:  $7 \div 7$   
 Multiply:  $1 \times 7$   
 Subtract:  $7 - 7$

Bring down the tens. Divide the tens

$$\begin{array}{r} 10 \\ 7 \overline{)752} \\ \underline{7} \downarrow \\ 05 \\ \underline{- 0} \\ 5 \end{array}$$

Divide:  $5 \div 7$   
 Multiply:  $0 \times 7$   
 Subtract:  $5 - 0$

Bring down the ones. Divide the ones.



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$$\begin{array}{r} 107 \\ 7 \overline{) 752} \\ \underline{7} \phantom{0} \\ 05 \phantom{0} \\ \underline{- 0} \phantom{0} \\ 52 \\ \underline{- 49} \\ 3 \end{array}$$

Divide:  $52 \div 7$   
Multiply:  $7 \times 7$   
Subtract:  $52 - 49$

The remainder is 3. Write the answer:

$$752 \div 7 = 107 \text{ Remainder } 3$$

