## **Divide by 2-Digit Divisors**

When you divide by a 2-digit divisor, you can use estimation to help you place the first digit in the quotient. Then you can divide.

**Divide.** 53)2,369

**Step 1** Use compatible numbers to estimate the quotient. Then use the estimate to place the first digit in the quotient.

The first digit will be in the tens place.

Step 2 Divide the tens.

Think:

Multiply:  $53 \times 4$  tens = 212 tens Subtract: 236 tens - 212 tens

Compare: 24 < 53 , so the first digit of the

quotient is reasonable.

**Divide:** 236 tens ÷ 53

**Step 3** Bring down the 9 ones. Then divide the ones.

$$\begin{array}{r}
 44 \\
 53)2,369 \\
 -212 \downarrow \\
 249 \\
 -212 \\
 \hline
 37
\end{array}$$

Think:

**Divide:** 249 ones  $\div$  53 **Multiply:** 53  $\times$  4 ones = 212 ones

Multiply:  $53 \times 4$  ones = 212 ones Subtract: 249 ones - 212 ones

Compare: 37 < 53 , so the second digit of the

quotient is reasonable.

Write the remainder to the right of the whole

number part of the quotient.

Divide. Check your answer.

So,  $2,369 \div 53$  is **44 r37**.