Name _____

Reteaching
4-4

Dividing by 1-Digit Divisors

Find 362 ÷ 5.

Step 1: To decide where to place the first digit in the quotient, compare the first digit of the dividend with the divisor.

$3 < 5$, so the first digit in the quotient will not go in the hundreds place.

Now, compare the first two digits of the dividend with the divisor.

$36 > 5$, so the first digit in the quotient will go in the tens place.

Step 2: Divide the tens. Use multiplication facts and compatible numbers.
Think $5 \times ? = 35$.

Write 7 in the tens place of the quotient.
Multiply. $5 \times 7 = 35$

$$\begin{array}{r} 7 \\ 5\overline{)362} \\ -35 \\ \hline 1 \end{array}$$

Subtract. $36 - 35 = 1$
Compare. $1 < 5$
Bring down the ones.

Step 3: Divide the ones. Use multiplication facts and compatible numbers.
Think $5 \times ? = 10$.

Write 2 in the ones place of the quotient.
Multiply. $5 \times 2 = 10$

$$\begin{array}{r} 72\text{R}2 \\ 5\overline{)362} \\ -35\downarrow \\ \hline 12 \\ -10 \\ \hline 2 \end{array}$$

Subtract. $12 - 10 = 2$
Compare. $2 < 5$
There are no more digits to bring down, so 2 is the remainder.

Step 4: Check by multiplying.

$5 \times 72 = 360$
$360 + 2 = 362$

Divide. Check by multiplying.

1. $8\overline{)955}$

2. $7\overline{)249}$

3. $9\overline{)1{,}557}$

4. $8\overline{)2{,}448}$

5. $2\overline{)499}$

6. $6\overline{)396}$

7. How can you tell before you divide 425 by 9 that the first digit of the quotient is in the tens place?

