Step 1—a remainder in the ones

- 4 does not go into 1 (hundred). So combine the 1 hundred with the 6 tens (160).
- 4 goes into 16 four times.
- 4 goes into 5 once, leaving a remainder of 1.

- 8 does not go into 3 of the thousands. So combine the 3 thousands with the 2 hundreds (3,200).
- 8 goes into 32 four times  $(3,200 \div 8 = 400)$
- 8 goes into 0 zero times (tens).
- 8 goes into 7 zero times, and leaves a remainder of 7.

Step 1 continued...

When dividing the ones, 4 goes into 7 one time. Multiply  $1 \times 4 = 4$ , write that four under the 7, and subract. This finds us the remainder of 3.

Check:  $4 \times 61 + 3 = 247$ 

When dividing the ones, 4 goes into 9 two times. Multiply  $2 \times 4 = 8$ , write that eight under the 9, and subract. This finds us the remainder of 1

Check:  $4 \times 402 + 1 = 1,609$ 

Step 2—a remainder in the tens

1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.
2 )5 8	2 2)58 -4 1	2 9 2 ) 5 8 - 4   1 8
Two goes into 5 two times, or 5 tens ÷ 2 = 2 whole tens but there is a remainder!	To find it, multiply 2 × 2 = 4, write that 4 under the five, and subtract to find the remainder of 1 ten.	Next, drop down the 8 of the ones next to the leftover 1 ten. You combine the remainder ten with 8 ones, and get 18.

1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.
t o	t o	t o
2)58	2 9 2 ) 5 8	2)58
<u>-4</u>	<u>- 4</u>	<u>-4</u>
	<u>- 1 8</u>	<u>- 18</u>
Divide 2 into 18. Place 9 into the	Multiple 0 v 2 - 40 write that 40	
quotient.	Multiply 9 × 2 = 18, write that 18 under the 18, and subtract.	The division is over since there are no more digits in the dividend. The quotient is 29.

Step 2—a remainder in any of the place values

1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.
1 2)278	h t o 1 2)278 =2 0	1 8 2)278 -21 07
Two goes into 2 one time, or 2 hundreds ÷ 2 = 1 hundred.	Multiply 1 × 2 = 2, write that 2 under the two, and subtract to find the remainder of zero.	Next, drop down the 7 of the tens next to the zero.
Divide.	Multiply & subtract.	Drop down the next digit.
13 2)278 -2 07	13 2)278 -2 07 -6	2 ) 2 7 8 -2 0 7 -6 1 8
Divide 2 into 7. Place 3 into the quotient.	Multiply 3 × 2 = 6, write that 6 under the 7, and subtract to find the remainder of 1 ten.	Next, drop down the 8 of the ones next to the 1 leftover ten.
1. Divide.	2. Multiply & subtract.	3. Drop down the next digit.
13 <mark>9</mark> 2)278 -2 07 -6	139 2)278 -2 07 -6 18 -18	139 2)278 -2 07 -6 18 -18
Divide 2 into 18. Place 9 into the quotient.	Multiply 9 × 2 = 18, write that 18 under the 18, and subtract to find the remainder of zero.	There are no more digits to drop down. The quotient is 139.

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