**A remainder in any of the place values**

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