## Division Walkthrough - All Steps Shown

Divide 4-Digit Number by 1-Digit Number



Column C1 C2 C3 C4



Column C1 C2 C3 C4


REPEAT 4 STEPS FOR THE NUMBER 3 AT R4C2

Column C1 C2 C3 C4



Column C1 C2 C3 $\quad$ C4


Column C1 C2 C3 C4



Column C1 C2 $\quad$ C3 $\quad$ C4


Column C1 C2 C3 C4

| Row |  |  |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| R1 |  |  |  |  |  |  |
| R2 |  |  | 2 | 8 | 3 | 2 |
| R3 |  |  | 0 | 8 |  |  |
| R4 |  |  | 8 |  |  |  |
| R5 |  |  | 3 |  |  |  |
| R6 |  |  |  | 0 |  |  |
| R7 |  | - |  | 3 | 2 |  |
| R8 |  |  |  |  |  |  |



REPEAT 4 STEPS FOR THE NUMBER 0 AT R8C4

Column C1 C2 C3 C4

| Row |  |  |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| R1 |  |  |  |  |  |  |
| R2 |  |  | 2 | 8 | 3 | 2 |
| R3 |  |  | 0 | 8 | 8 | 0 |
| R4 |  |  | 8 |  |  |  |
| R5 |  | - | 3 |  |  |  |
| R6 |  |  | 0 |  |  |  |
| R7 |  |  | - |  | 3 | 2 |
| R8 |  |  |  |  |  | 0 |



## STEP 2: Multiply

a) 0 times 4 is 0 .
b) Put 0 at R9C4.

Column C1 C2 $\quad$ C3 $\quad$ C4

| Row |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| R1 |  | 2 | 0 | 8 | 0 |  |  |  | STEP 3: Subtract <br> a) 0 minus 0 is 0 . <br> b) Put 0 at R10C4. |  |  |  |  |  |  |  |
| R2 | 4 | 8 | 3 | 2 | 0 |  |  |  |  |  |  |  |  |  |  |  |
| R3 | - | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R4 |  |  | 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R5 | - |  | 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| R6 |  |  | 3 | 2 |  |  |  |  | STEP 4: Bring down next number <br> a) There are no more digits to bring down. <br> b) The remainder is 0 listed in R10C4. <br> c) The problem is done. |  |  |  |  |  |  |  |
| R7 | - |  | 3 | 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| R8 |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |
| R9 | - |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |
| R10 |  |  |  |  | 0 |  |  |  |  |  |  |  |  |  |  |  |

Row
${ } ^ { \mathrm { R } 1 } \quad 4 \longdiv { 2 0 8 0 } \mathrm { R } 0$

The final answer is the Quotient with Remainder, listed in Row 1. Answer is written as 2080 R0.

