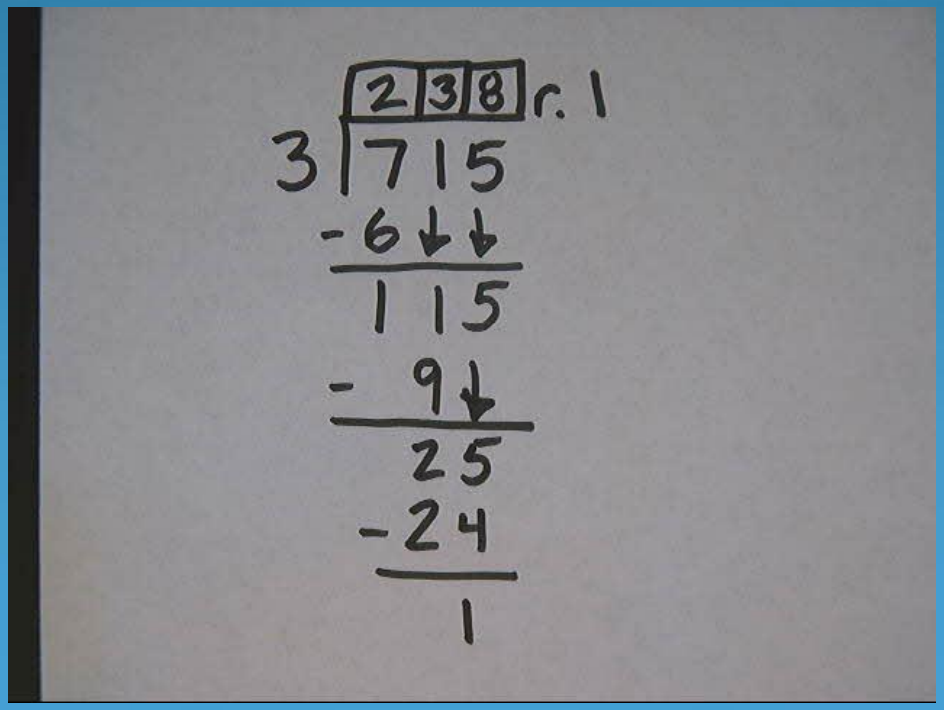
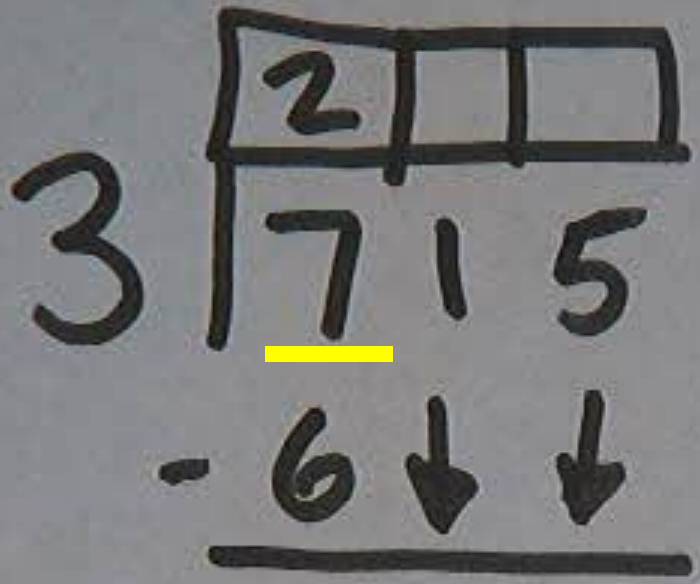
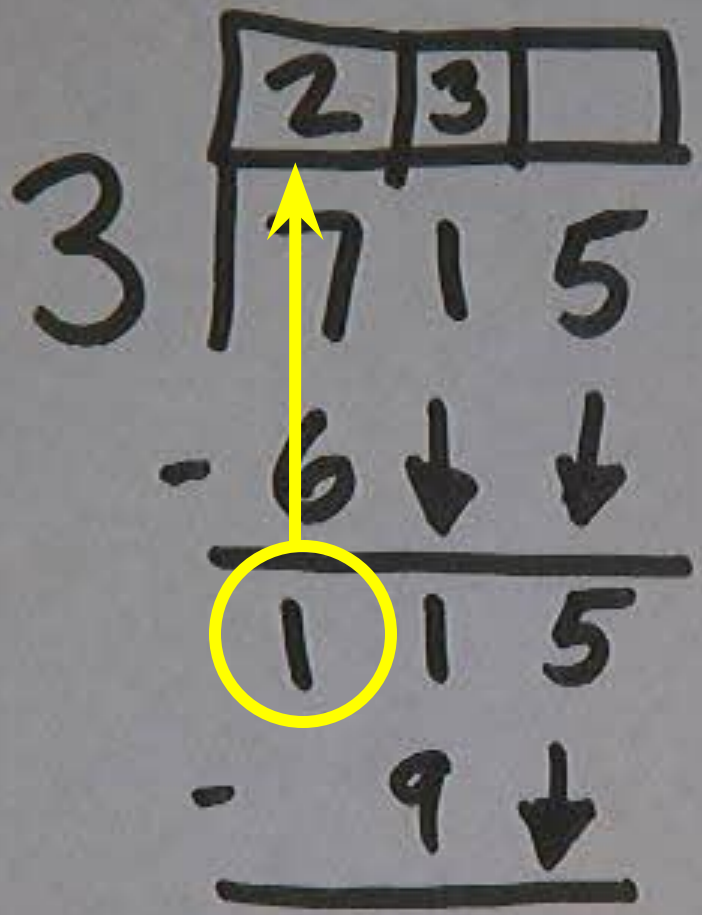
An Example: Long Division





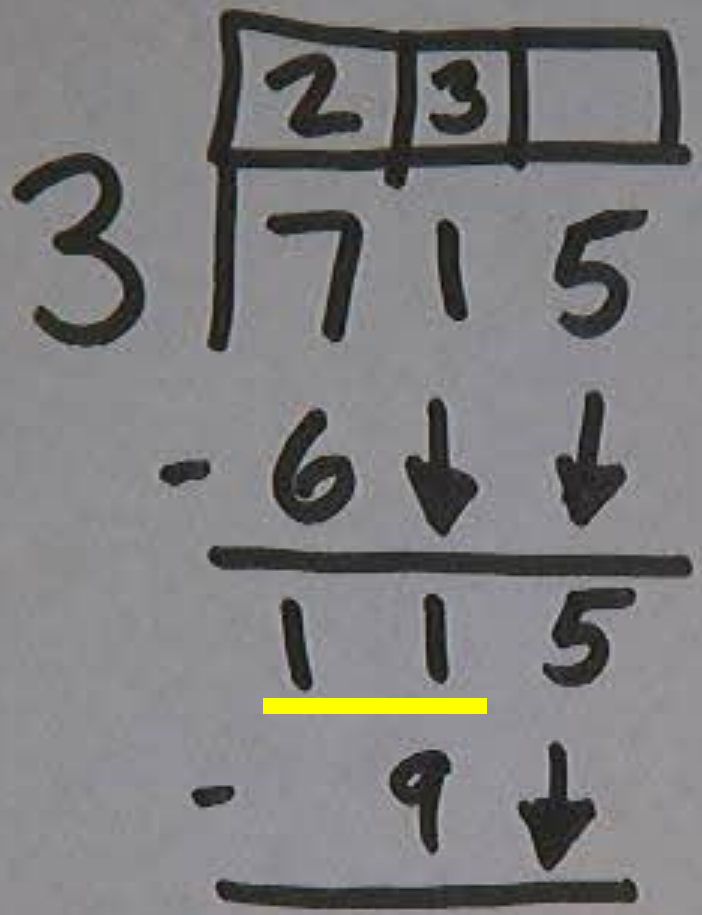
Step 1: Divide in the hundreds place

*How many times can 3 “fit” in to 7?
*TWICE
*2 groups of 3 is 6.
*Subtract and regroup



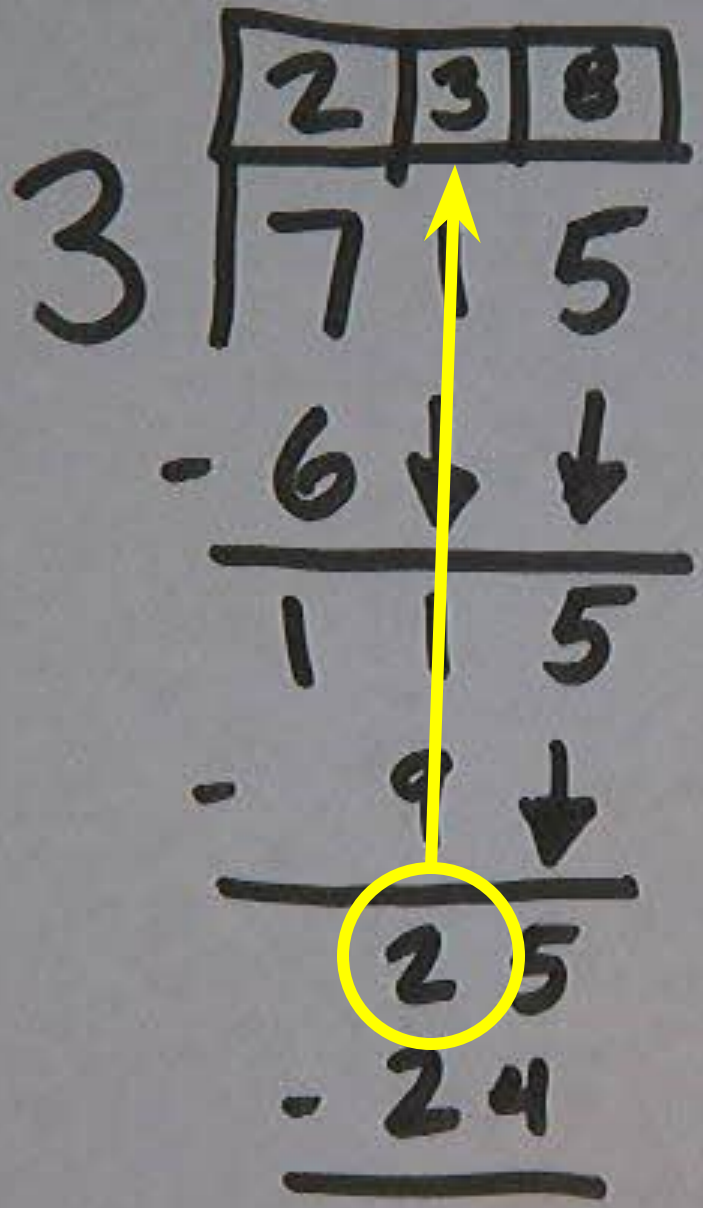
Step 2: Divide in the tens place

*Can 3 “fit” in to 1? NO!
*Look up – has the box above been filled in? YES!
*Take the one with you and move on to try 11



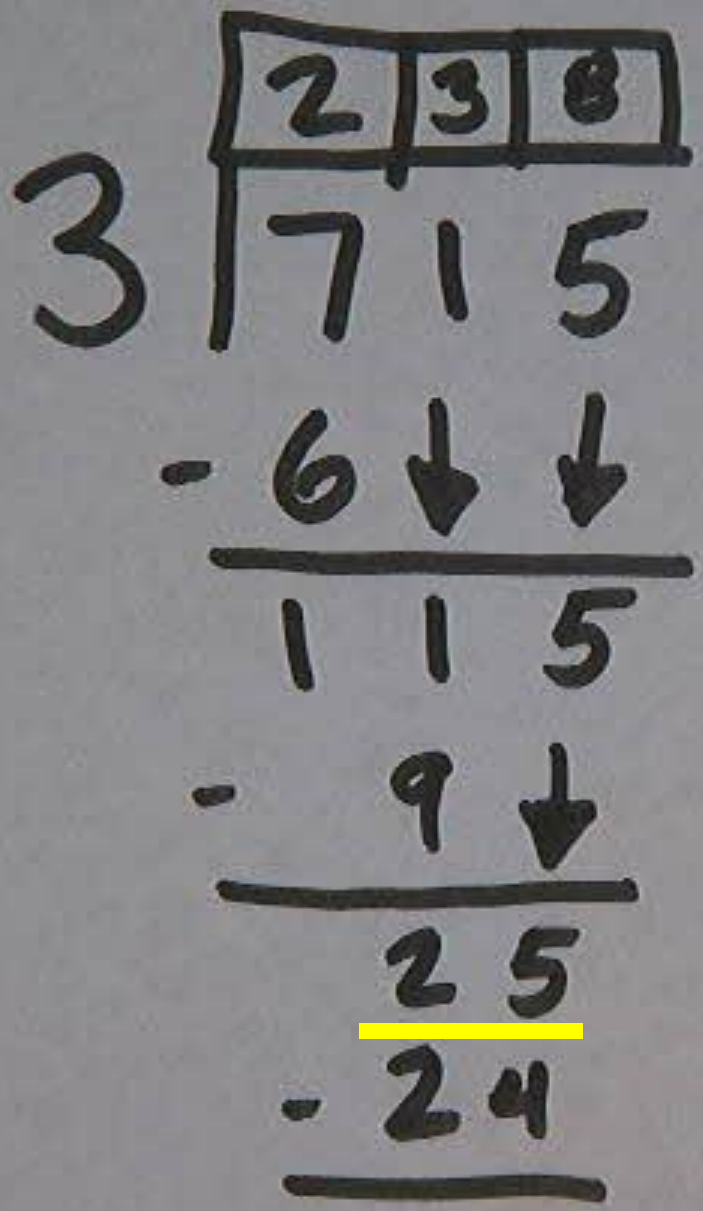
Step 2: Divide in the tens place

*How many times can 3 “fit” in to 11?
*THREE TIMES
*3 groups of 3 is 9.
*Subtract and regroup



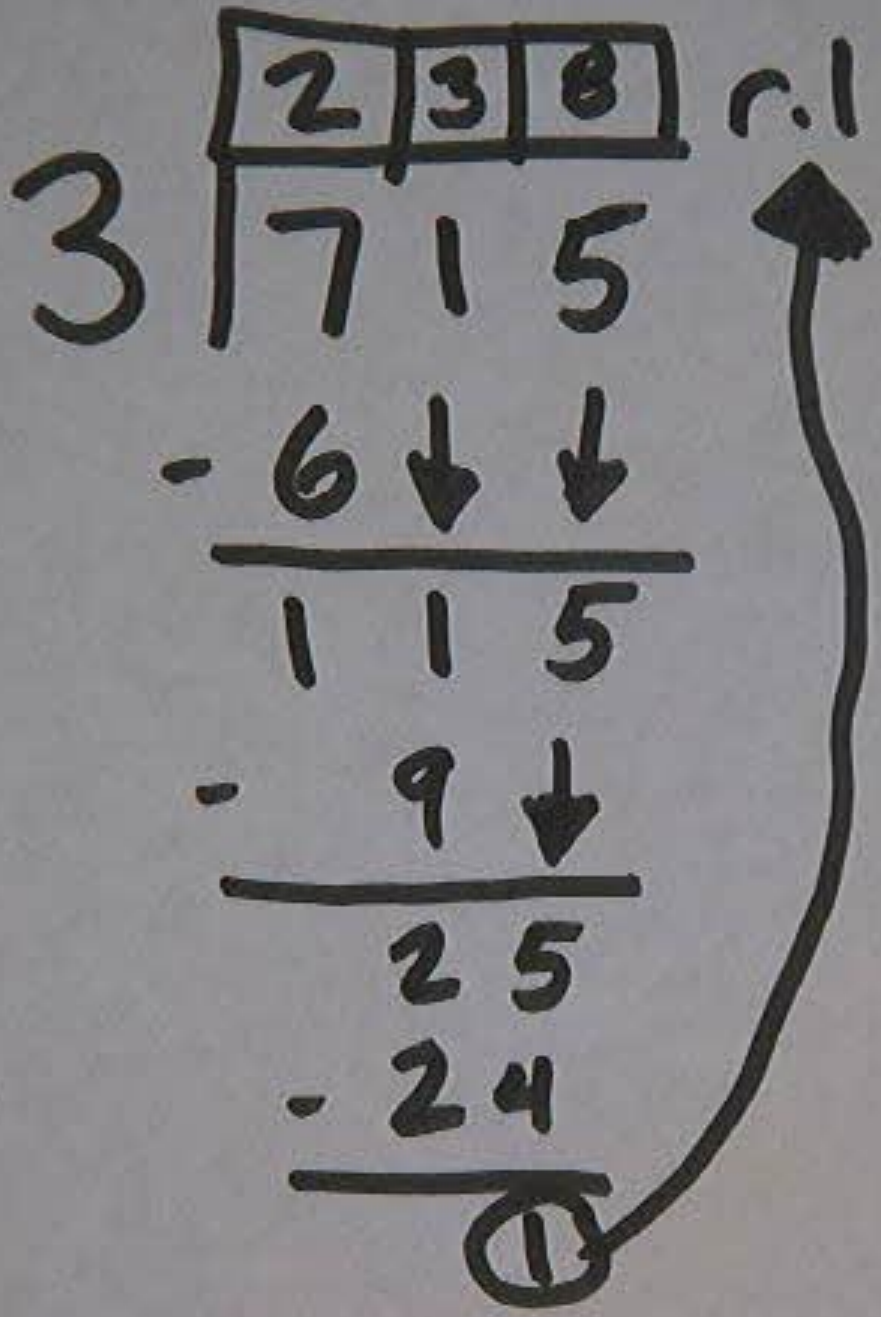
Step 3: Divide in the ones place

*Can 3 “fit” in to 2? NO!
*Look up – has the box above been filled in? YES!
*Take the two with you and move on to try 25



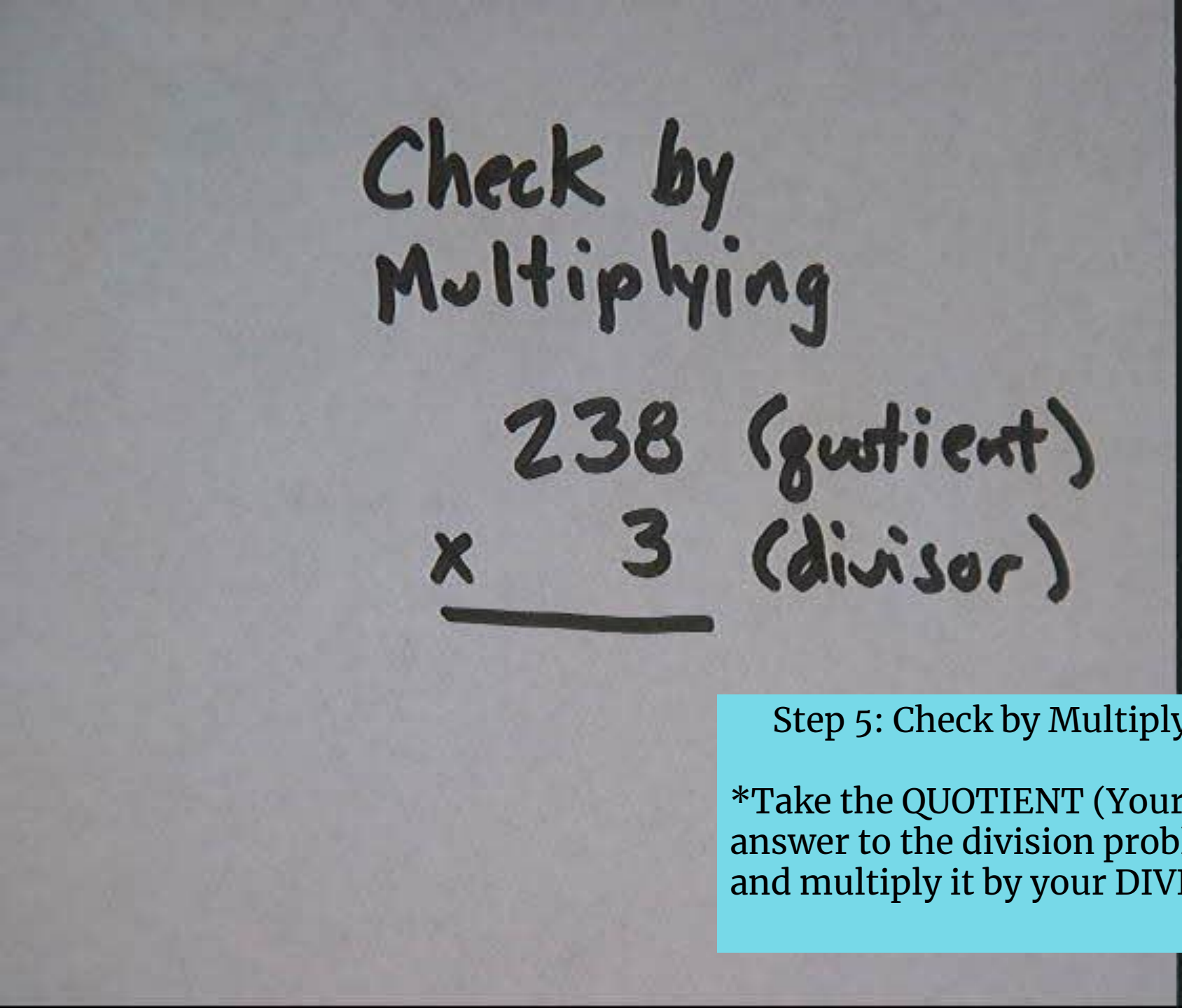
Step 3: Divide in the ones place

*How many times can 3 “fit” in to 25?
*EIGHT TIMES
*8 groups of 3 is 24.
*Subtract and regroup



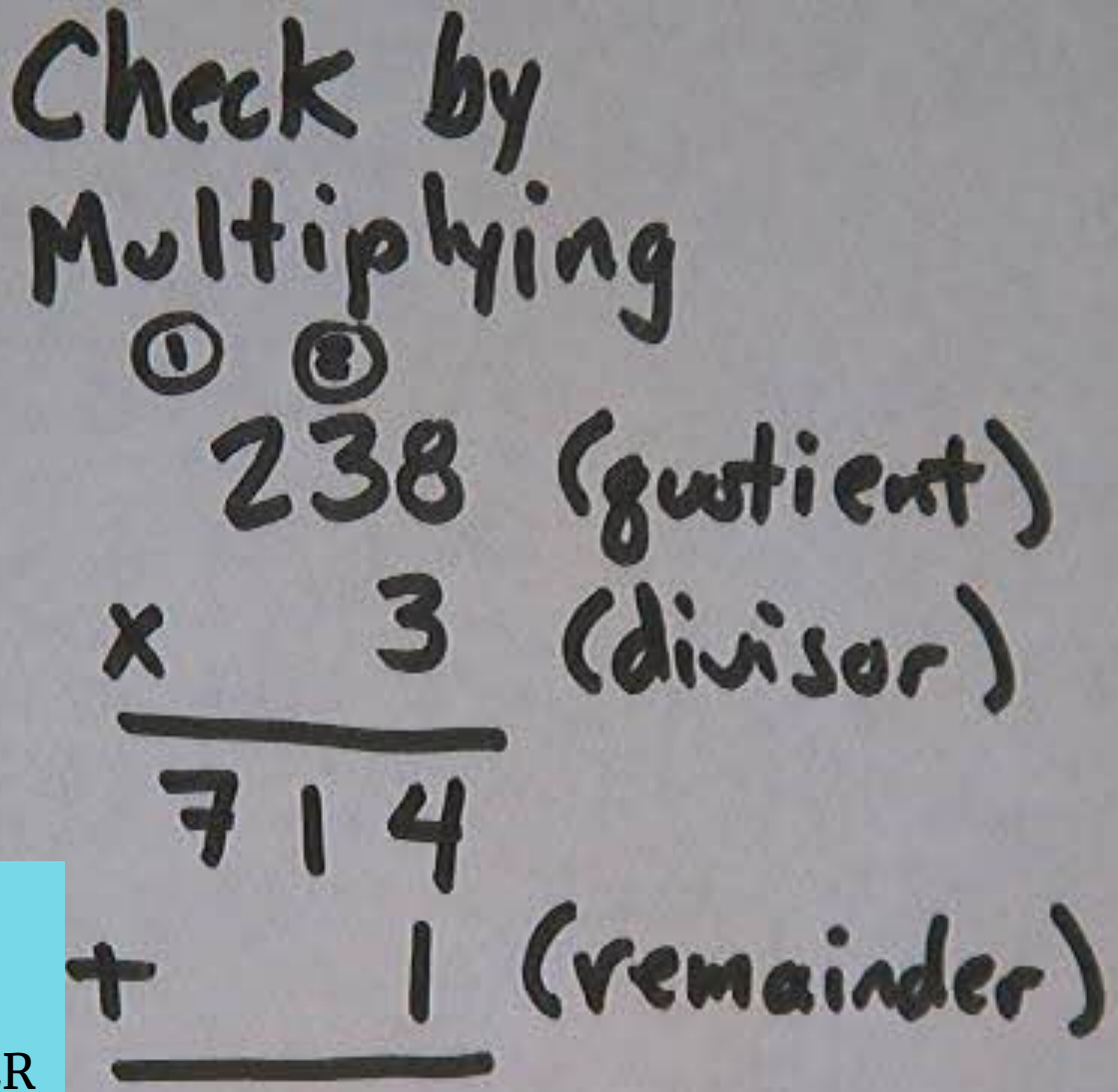
Step 4: The remainder

*Can 3 “fit” in to 1? NO!
*This becomes our REMAINDER



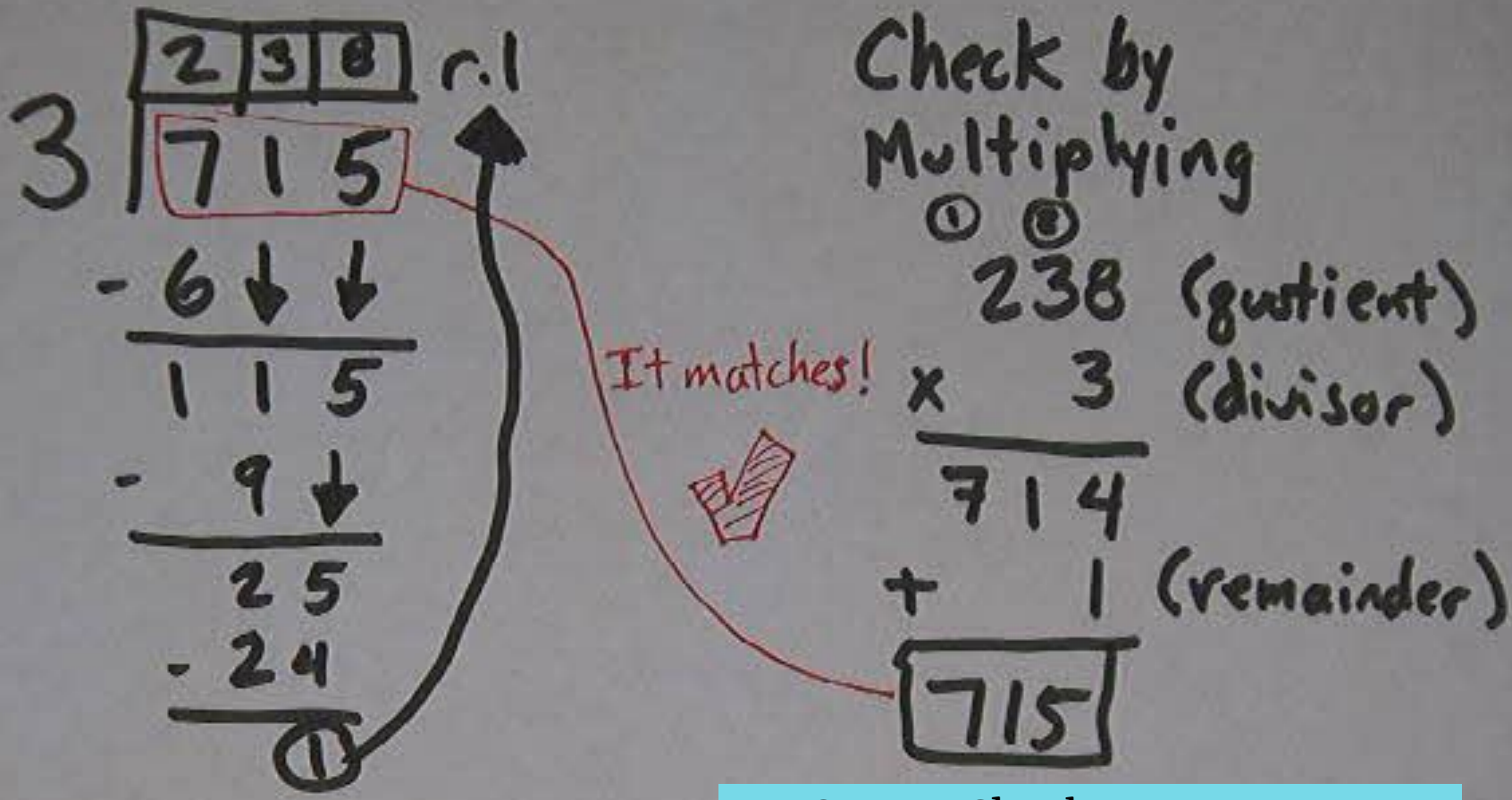
Step 5: Check by Multiplying

*Take the QUOTIENT (Your answer to the division problem) and multiply it by your DIVISOR



Step 6: Check by Multiplying

*Add the REMAINDER to your answer



Step 7: Check Your Answer

*Does the answer match your DIVIDEND (What you're dividing)?
*If yes, you've correctly divided!