NBT.6 Multi-Digit Division Goal: I will be able to divide 3-and 4-digit dividends by 1-and 2-divisors to find a quotient in 3 methods.

Expectations () Know facts x and = 0-9 () Use each steps to success (3) Must write in proper place value

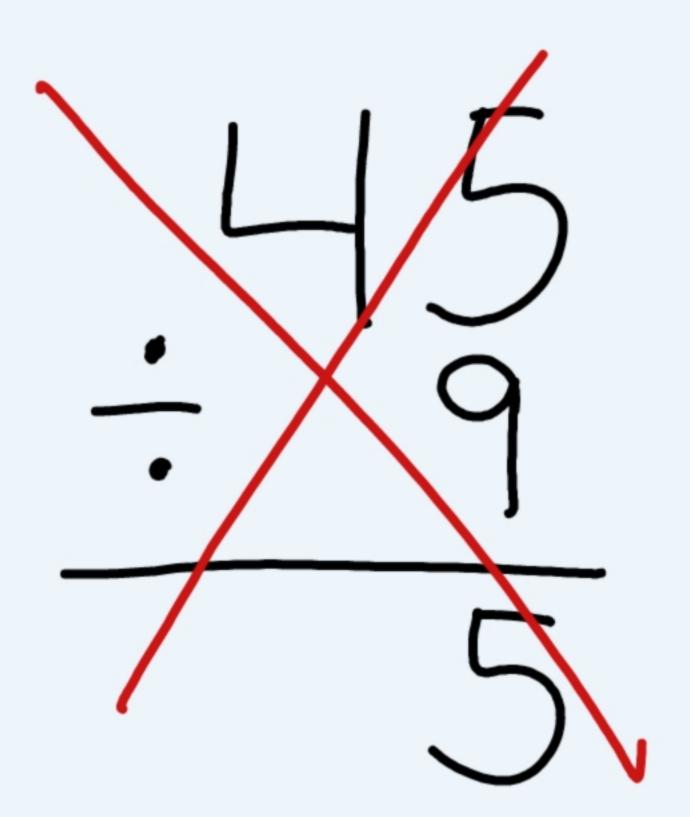
4th ar. Review

- 1 dividend = divisor = quotient
- 2) divisor dividend

9 459 t-Read: 459 divided by airided 9 is 51 (read backwards)

dividend = quotient divisor Every fraction is a division problem.

This is the MRONG way to Write a division problem!



Never, Ever, EVER write a division Problem to solve like this!

Steps to Success- Standard Algorithm Division

1. DIVDE

- Think: Use COMPATIBLE Numbers- what number multiplied by the divisor (side number) will get me close to the dividend (inside/bottom number)?
- Write the answer to this question ABOVE the dividend

2. MULTIPLY

- Think: When I multiply the number I just wrote above times the divisor (side number), what does that equal?
- Write the answer to this question BELOW the dividend

3. SUBTRACT

Subtract the two numbers below

BRING DOWN

Only the next digit in the dividend

5. REPEAT

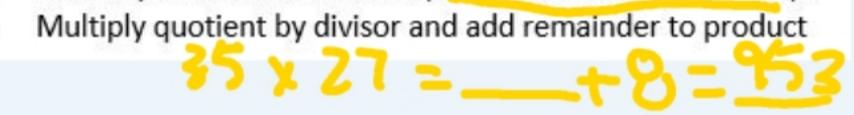
Steps 1-4 with the new number created below the dividend

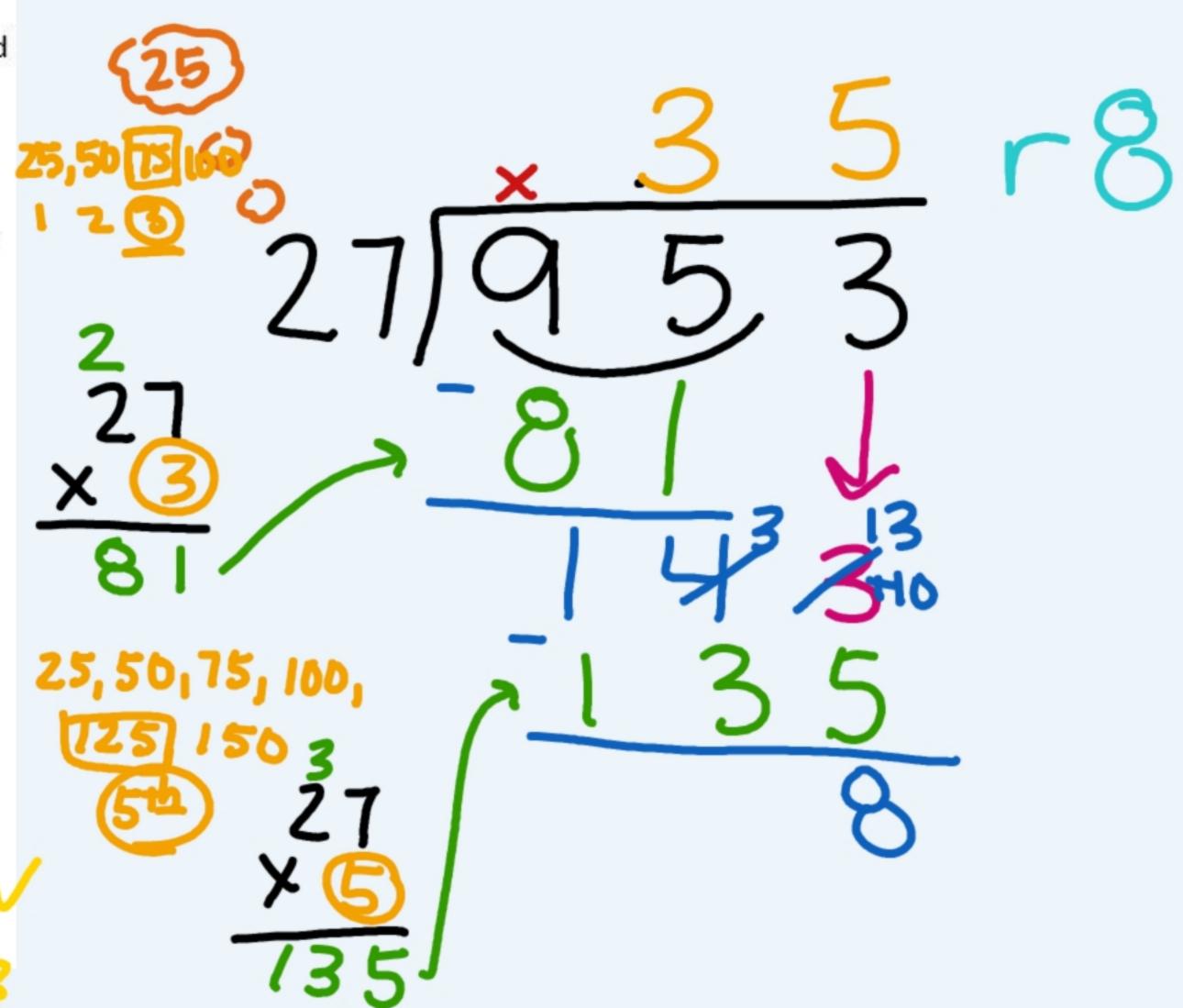
6. REMAINDER

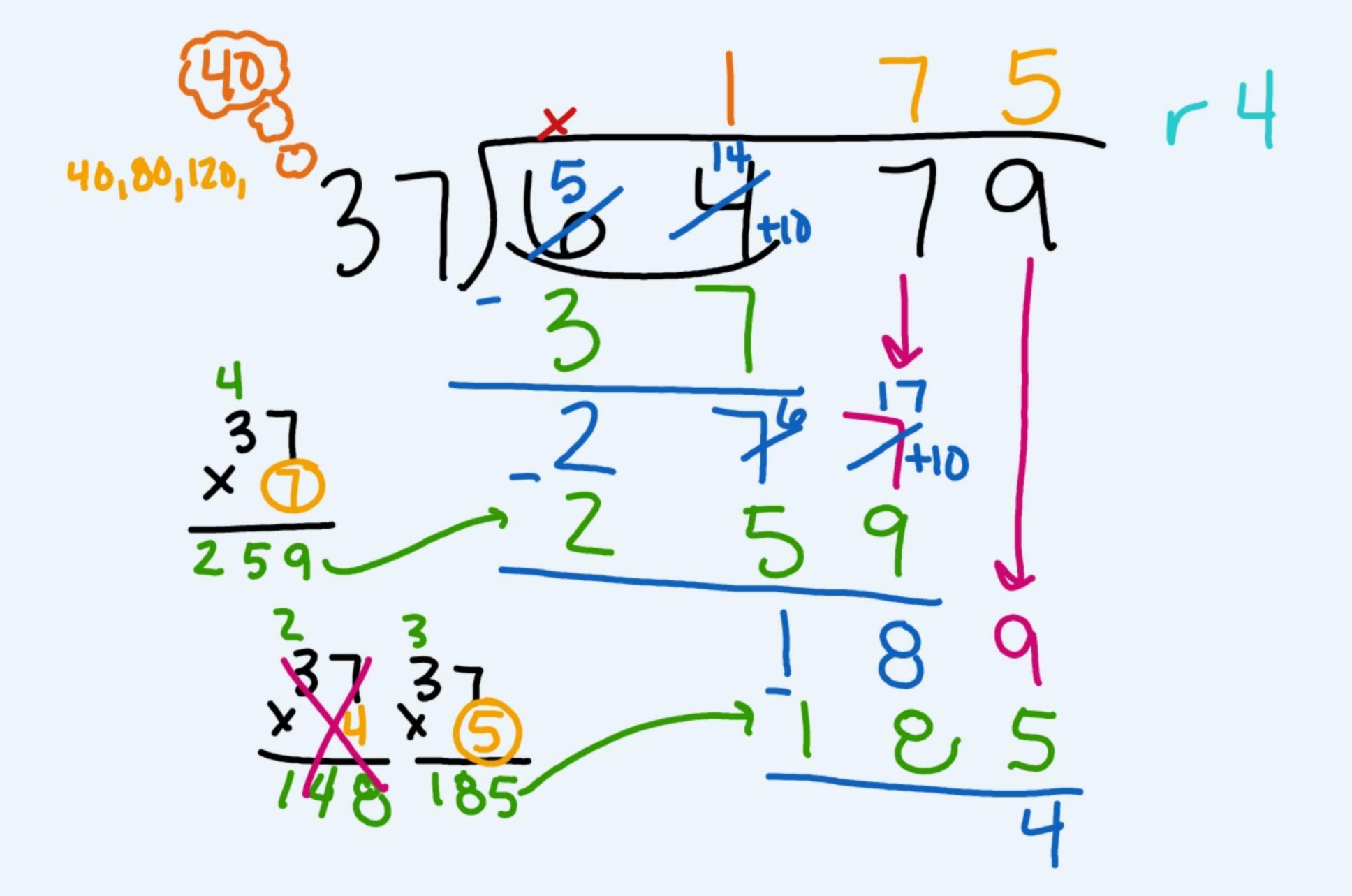
Write above next to quotient

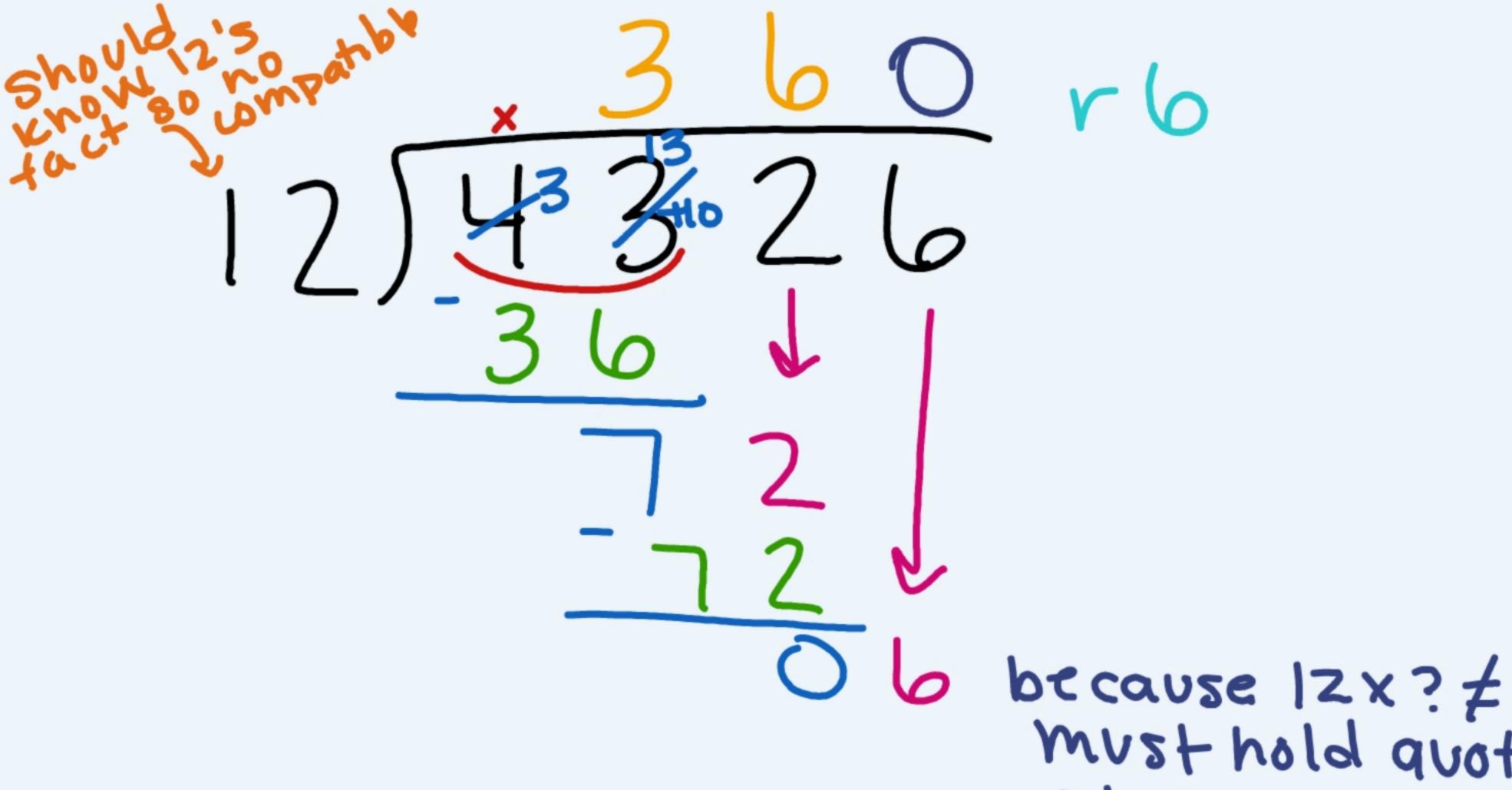
7. CHECK

- Is my quotient in place value above dividend?
- Does my answer make sense (remainder less than divisor)?









because 12x? \$6
Must hold quotient
Place value with
a zero