Long Division Chart

Convert to long division format

Is the divisor zero? — Yes → **Undefined**
No ↓

Is the divisor one? — Yes → **Same value as dividend**
No ↓

Is the dividend zero? — Yes → **0**
No ↓

Are the divisor and dividend the same? — Yes → **1**
No ↓

Is the divisor a whole number? — No → Multiply the divisior by a power of 10 → Multiply the dividend by the same power of 10
Yes ↓

Put the decimal above the division bracket

Underscore the digit(s) of interest

Can the divisor fit into the digit(s) of interest? — No → Put a 0 above the rightmost digit of interest → Expand the underscore to the right
Yes ↓

How many times can the divisor fit into the digit(s) of interest?

Write the number of times above the rightmost digit of interest on top of the division bracket

Subtract the product (the divisor multiplied by the number of times it can fit into the digit(s) of interest) from the digit(s) of interest

Is the remainder zero? — No → Drop the next digit (drop a zero if no digits remain)
Yes ↓

The remainder and dropped digit are the new digit(s) of interest

Does the dividend have any remaining digits to drop? — Yes → Drop the next digit (drop a zero if no digits remain)
No ↓

Finish