Let's Learn Division: 155 ÷ 7

Today, we're going to learn how to divide 155 by 7. Division is splitting a number into equal parts. So, we want to see how many times 7 can go into 155. Let's go through this step by step!

Step 1: Set Up the Division

First, we can write this as:

155

÷   7

This means we want to figure out how many times 7 fits into 155.

Step 2: Estimate

To start, let's estimate. We know 7 times 20 is 140, and 7 times 25 is 175. So, 7 will fit into 155 a little less than 25 times.

Step 3: Long Division

Now, let's perform the long division process:

```
        22
    7 | 155
       - 14
       ------
         15
       - 14
       ------
          1
```

1. **Divide 7 into the first part (15):** The first digit is 1, which is not enough to divide by 7. So, we look at 15. 7 fits into 15 two times because 7 x 2 = 14.

2. **Multiply:** Now we multiply 2 (the number we found) by 7, which equals 14. We write this under 15.

3. **Subtract:** We subtract 14 from 15, which leaves us with 1.

4. **Bring Down the Next Digit:** Now, we bring down the next digit from 155, which is 5, making it 15.

Step 4: Repeat the Process

Now, we repeat the process with the new number:

7 fits into 15 again two times (as we already did before). So:

```
          22
   7  |  155
        -  14
        - - - - - -
           15
        -  14
        - - - - - -
            1
```

After subtracting again, we see that it's 1 left over.

Step 5: Remainder

So, we can say that:

155 ÷ 7 = 22 R1

This means 7 goes into 155 a total of 22 times, and there's 1 left over.

Final Answer

The answer to 155 divided by 7 is 22 with a remainder of 1. If you want to express it as a decimal, you could say 22.14 (as the remainder can be turned into a decimal by dividing 1 by 7). So:

155 ÷ 7 = 22.14

Great job! You've now learned how to divide 155 by 7!