Welcome to the World of Number Sequences!

Hi there! Today, we are going to have fun exploring number sequences. A number sequence is simply a list of numbers that follow a specific pattern, and we will start with some simple patterns to see how they increase and decrease. Let's look at counting by **twos**, **threes**, **fives**, and **tens**.

Counting by Twos

When we count by twos, we start at a number and keep adding 2. For example, if we start at 0, the sequence would be:

- 0, 2, 4, 6, 8, 10, …

If we were to decrease by twos starting from 10, it would look like this:

- 10, 8, 6, 4, 2, 0, …

Counting by Threes

Now let's count by threes! Starting at 0, the sequence is:

- 0, 3, 6, 9, 12, …

If we start at 9 and count down by threes, we get:

- 9, 6, 3, 0, -3, …

Counting by Fives

Next up is counting by fives. Starting at 0:

- 0, 5, 10, 15, 20, …

If we begin at 20 and go down by fives, it will look like this:

- 20, 15, 10, 5, 0, …

Counting by Tens

Finally, let's count by tens! Starting at 0, we see:

- 0, 10, 20, 30, 40, …

And if we decrease from 40 by tens:

- 40, 30, 20, 10, 0, …

Activities to Try!

Now it's your turn! Choose a starting number and pick how much you want to count by. See if you can make your own sequences!

For example, you could start at 5 and count by 4s: 5, 9, 13, 17, … Or you can count down from 25 by 5s: 25, 20, 15, …

Exploring Other Sequences

Once you get the hang of these, you can try counting by other numbers or even inventing your own patterns. Remember, it's all about having fun with numbers!

Enjoy your number adventure!