

# Sequencing



## Warm Up

Look at these numbers and double them. Write the answers on your show me boards.

2

7

10

25

12

43

Have a look at these months, put them in the order of the year.

July

January

October

March

December

February

May

August  
April  
June  
September  
November



Take a look at these pairs of number and write the symbol for **greater than** > or **smaller than** <.

$$27 \quad > \quad 16$$

$$8 \quad < \quad 12$$

$$20 \quad > \quad 02$$

$$100 \quad > \quad 20$$

$$23 \quad < \quad 203$$

$$202 \quad < \quad 220$$

I Do

**We Are Learning To:** Continue number patterns.

**What I'm Looking For:** Identify the rule and continue number patterns.

Today we're going to be revisiting how to identify the rule in a number pattern. There are two things you need to ask when finding the rule in a number pattern.



Is it going up or down?  
By how much?

Once you know if a pattern is going up or down, you know what symbol to use to continue the pattern, if it's going up use a plus +, if it's going down use a minus -. Watch this clip of Miss McDougall working through some number patterns.

1.  $\textcircled{+3}$   $+3$   $+3$   $+3$   
 14, 17, 20, 23, 26           ,           ,
2.  $-10$   $-10$   $-10$   $-10$   
~~605~~, ~~595~~, ~~585~~, ~~575~~, 565, 555, 545
3.  $+20$   $+20$   $+20$   $+20$   
 20, 40, 60, 80,           ,           ,

## We Do

Write these questions in your books. Don't forget about your neat bookwork.

<u>Sequencing</u>									
Q1.	14,	17,	20,	23,					
	26,	29,	32,	35,					
Q2.	605,	595,							
	585,	575,							
	565,	555,							
	545,								
Q3.	20,	40,	60,	80,					
	100,	120,							

Establish the rule in these number patterns, then continue them.

4. 55, 60, 65, 70, 75 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5. 43, 42, 41, 40, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

6. 101, 201, 301, 401, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

7. 77, 74, 71, 67, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

8. 13, 15, 17, 19, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_



## You Do

Try these questions by yourself. Write them in your books and then put a picture of your work at the bottom of this page.

9. 0, 7, 14, 21, 28, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

10. 8 995, 8 996, 8 997, 8 998, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

11. 507, 407, 307, 207, 107, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

12. 2 006, 2 005, 2 004, 2 003, 2 002, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

13. 1, 2, 4, 8, 16, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ **Challenge Question**

14. 14, 16, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 24

15. 5, 7, 6, 8, 7, 9, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_



## Plough Back

**We Are Learning To:** Continue number patterns.

**What I'm Looking For:** Identify the rule and continue number patterns.

Today we were revisiting how to sequence numbers.

What are the two questions you need to ask yourself when you're continuing number patterns.