



G3.11 | INCREASING & DECREASING ORDER (100-999)

Number Sense Concepts - NCERT Chapter 2: Fun with Numbers

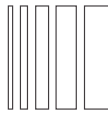
Students will sequence numbers in increasing or decreasing order

50 min

PRE REQUISITES:

G2.08 Know how to compare groups and numbers and understand < and > symbols (1-50)

TLM



Paper strips of 3 different widths (10 each)

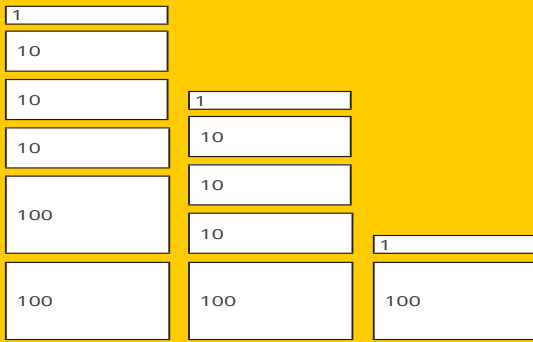
MISCONCEPTIONS

Students order no.s based on the value of the digits, instead of place value. $69 > 102$, as 6 & 9 are bigger than 1 & 2

KEY VOCABULARY

None

PLAY



Decompose the numbers in hundreds, tens, and ones and compare

○ Prepare strips of different widths as shown. Mark the widest strip as 100, intermediate-width strip as 10, and narrowest strip as 1

○ Call 3 students and assign each a 3 digit number. Ask them to represent the number as Hundreds, Tens, and Ones

○ Ensure that the width of the strips is such that the strip marked 10 is one-tenth the length of the strip marked 100. Similarly, ensure that the strip marked 1 is one-tenth the length of the strip marked 10

○ Ask the students to arrange the paper strips as shown and compare which number is the biggest

PROCESS



Sequencing numbers in increasing or decreasing order

○ Write the numbers 231, 232, & 233. Point to the Hundreds & Tens digits in all three digits

○ Explain that all three no.s have 2 Hundreds & 3 Tens. 231 has one Ones, 232 has 2 Ones, & 233 has 3 Ones

○ Write the no.s as shown above & emphasize that 233 is the biggest among the three

○ Explain when no.s are arranged from the smallest to biggest, the no.s are in increasing order

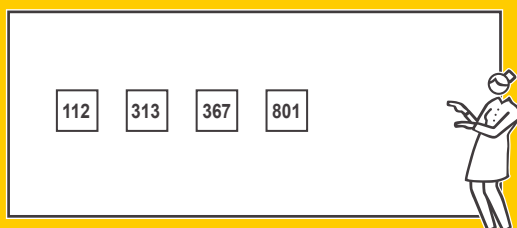
○ When the no.s are arranged from the biggest to the smallest, the no.s are said to be in decreasing order

○ Write any 5,3 digit no.s & arrange in a no. ladder. Read in increasing order. Tell each no. is greater than no. below it

○ Read in decreasing order. Emphasize that each no. is less than the no. above it & that no. with most Hundreds is biggest

○ If two or more no.s have the same no. of Hundreds, then we must compare the Tens & Ones

PRACTICE



Write the question on the blackboard & ask the students to solve

○ Help the students solve question 3 from the worksheet. Ask the students to arrange the no.s in increasing order

○ Explain to the students that if the no.s differ in their Hundreds digits, the rest of the digits need not be compared. The no. with the bigger Hundreds digit is bigger

○ Help the students solve question 5c from the worksheet. Ask the students to write the no.s in decreasing order

○ Emphasize that 501 is greater than 289. Ensure that students order no.s based on the value of the digits, instead of place value



G3.11 | INCREASING & DECREASING ORDER

WORKSHEET: NUMBER SENSE CONCEPTS - NCERT CHAPTER 2: FUN WITH NUMBERS

① SOLVED EXAMPLE : Arrange the no.s in increasing order

76 23 69 15

15	23	69	76 
----	----	----	---

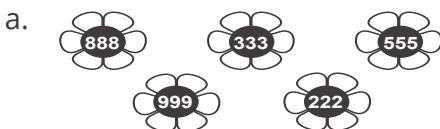
② Tell if the no.s are in increasing order or decreasing order

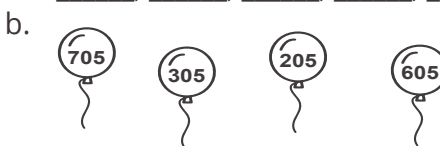
678	890	900
-----	-----	-----

③ Fill in the blank to arrange the no.s in increasing order
367 or 234

112	313	_____	801
-----	-----	-------	-----

④ Arrange the no.s in decreasing order





⑤ Complete these sequences

a.

567	785	787	_____	_____
-----	-----	-----	-------	-------

b.

456	443	334	_____	_____
-----	-----	-----	-------	-------

c.

289	501	900	_____	_____
-----	-----	-----	-------	-------



Make 3 no.s using these digits 5, 2, 1

Arrange the no.s in increasing order
