



G3.10 | COMPARING GROUPS & USING SYMBOLS (100-999)

Number Sense Concepts - NCERT Chapter 2: Fun with Numbers

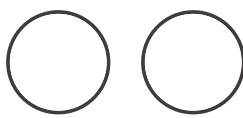
Students will compare numbers using $<$ and $>$ symbols (100-999)

40- 50 min

PRE REQUISITES:

G2.08 Know how to compare groups and numbers and understand $<$ and $>$ symbols (1-99)

TLM



Circle cut outs
Bangle

MISCONCEPTIONS

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

KEY VOCABULARY

None



PLAY



Compare the number of objects in two groups by using $>$, $<$ symbols

Prepare circle shaped cut out of 3 different sizes. Spread the cut outs on your table.



Tell the students that the biggest circle is worth 100 points, medium sized circle is worth 10 points, and the smallest circle is worth 1 point

H	T	O

Call some students one by one and ask them throw a bangle and count their score based on how many circles are inside the bangle. Help the students count their score by counting how many 100s, 10s and 1s they have scored

TEACHER'S NOTE

Tabulating the score as shown below can help students calculate their score quicker



PROCESS

Hundreds	Tens	Ones

$>$

Hundreds	Tens	Ones

Comparing numbers using symbols

Write 111 and 53 and tell students that you want to find out which if these is bigger number

Draw a place value table on the board. Decompose and write 111 and 53 in the appropriate columns

Also show the numbers pictorially using mats to represent 100s, rods to represent 10s, and loose cubes to represent 1s

Explain that while comparing 3-digit numbers we start by comparing the hundreds in each number

The number that has more hundreds is bigger. Tell that 111 has 1 hundred but 53 has no hundreds. Therefore $111 > 53$

Write 100 and 115 on the blackboard. Decompose the numbers into Hundreds, Tens, and Ones

Tell that both 100 and 115 have one at the hundreds place value. Explain in such cases we compare digits at Tens place

If the digits at Tens place value are also equal then the digits at ones place value are compared



PRACTICE

H	T	O		H	T	O
1	5	8	$<$	2	0	2

Write the question on the black board and ask the students to solve

Help the students solve question 2 from the worksheet. Ask the students to compare the decomposed numbers

QUESTION

What does the 0 at tens place in 202 mean?

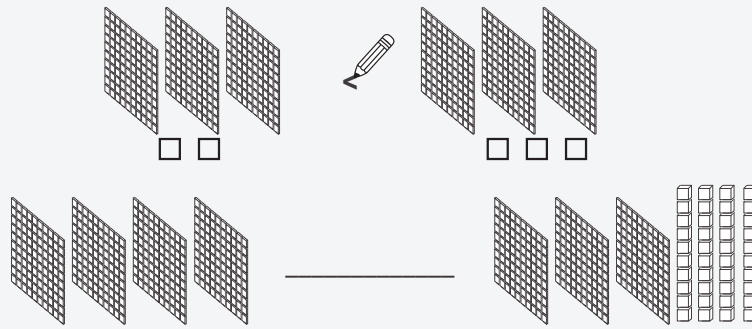
Which digit did you compare first? Why?

Emphasize that $202 > 156$ even though the value of tens and ones digit is more in 158. Explain a number with a bigger number at hundreds of place value is bigger irrespective of what the other digits are

Help the students solve question 3 from the worksheet. Ask the students to decomposed numbers and circle the bigger number



① SOLVED EXAMPLE : Make $>$ or $<$ symbol in the box to compare groups.



② Compare the numbers using $>$ or $<$ sign

H	T	O		H	T	O
1	5	8		2	0	2

③ Decompose the numbers and circle the bigger number

a. 349 and 567

b. 500 and 345

④ Spot the error and correct it

a. 270 217

b. 844 930

c. 719 790

⑤ Which is more: 2 baskets of 100 apples or 9 baskets of 10 apples?



Mani has 34 packets of 10 balloons each. Mahesh has 2 packets of 100 balloons each. Who has more balloons?