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Smaller and Greater Numbers

Soni has made 17 flags in admission ceremony of the school.
Karim has made 12 flags.



Soni's flags



Karim's flags

Now, tell- who has made more flags?

Soni or Karim?

Who has made minimum flags?

17 flags are more than 12 flags. It means 17 is greater than 12.

How will you write this by using symbol?

Let us understand- We put the symbol '>' to show greater than.

Like- $17 > 12$

Think- 12 is smaller than 17. How will you show by using symbol?

See- $12 < 17$ (We have reversed the symbol of 'greater than' and simultaneously exchanged the numbers.)

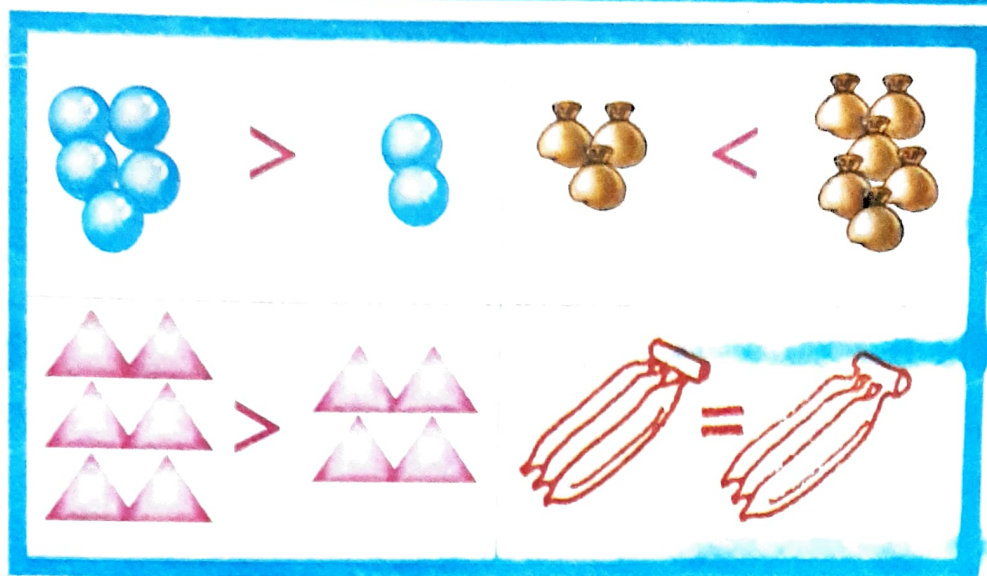
We have seen that we can write above given numbers in two manners greater than and smaller than. First, 17 is greater than 12, second, 12 is smaller than 17.

To show the number in the smaller or greater form < or > symbol is used. The number towards the open end of the symbol is greater. As we have written above in two ways.

First, 17 is greater than 12. The open end will be towards 17, as $17 > 12$. Second, 12 is smaller than 17. The open end will be towards 17, as $12 < 17$.



See-



You have seen

In the above picture, the end of the symbol is open ($>$) on that side where the objects are more. Where objects are less the end of the symbol is closed ($<$). If number of both the objects are same, then the symbol of 'equal to' ($=$) is used.

Symbol	
greater than	$>$
smaller than	$<$
equal to	$=$

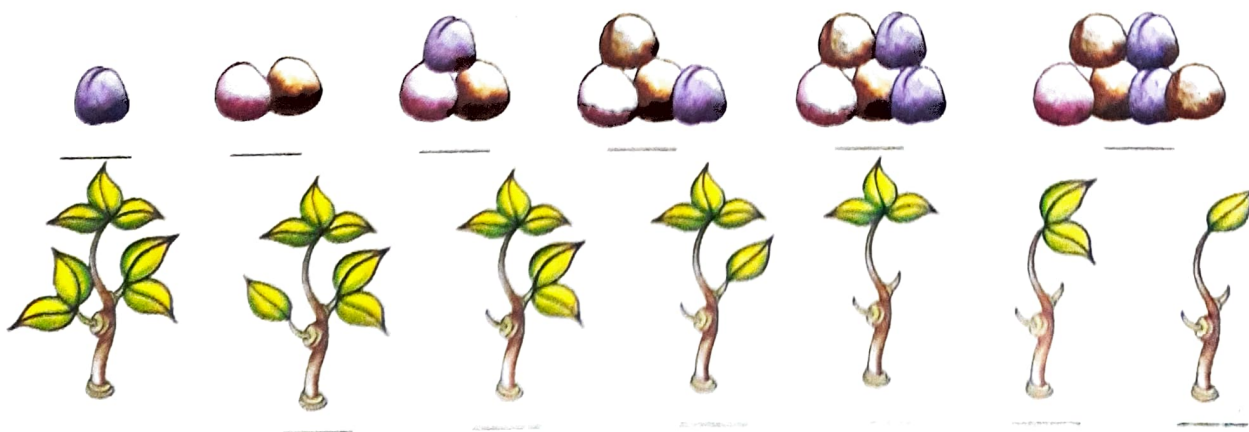
Put the correct symbol ($>$, $<$, $=$)-

25 30

250 125

690 690

Look, understand and write the numbers of pebbles/leaves-



As we move right the number of pebbles is increasing, but the number of leaves is decreasing.

Pebbles are in increasing numbers and leaves are in decreasing numbers.

Number of pebbles- 1, 2, 3, 4, 5, 6

Number of leaves- 7, 6, 5, 4, 3, 2, 1

Let us put the symbol of 'greater than' and 'smaller than' among these numbers-

$$1 < 2 < 3 < 4 < 5 < 6 \quad (\text{increasing order})$$

$$7 > 6 > 5 > 4 > 3 > 2 > 1 \quad (\text{decreasing order})$$

Now you also write the numbers in increasing order (ascending order) and in decreasing order (descending order)-

10, 29, 16, 18, 43, 34, 8

Ascending order (increasing order)

Descending order (decreasing order)

The number just before and just after the given number-

How will you find out the number just before 84 and the number just after 84?

Let us do it- The number just before 84 will be $84 - 1 = 83$

Now, you do- The number just after 84 will be $84 + 1 = 85$

Write the number which comes just before and just after the numbers given below-

Number just before	Number	Number just after
27	28	29
.....	74	
.....	160	

- The number which comes just before any number is called its predecessor.
- The number which comes just after any number is called its successor.

- Make the students practise in their notebook to understand the ascending-descending orders and predecessor-successor numbers.



We have Learnt



- On comparing two numbers -
 - The open end ' $>$ ' of symbol is kept towards the greater number.
 - The closed end ' $<$ ' of symbol is kept towards the smaller number.
- Symbol of equal ' $=$ ' is used between two same numbers.
- Increasing order of numbers is called **ascending order**, and decreasing order is called **descending order**.

Exercise



- 1- Count and put the symbol of 'greater' & 'smaller' –



- 2- Put the correct symbol ' $>$, $=$, $<$ ' –

A. 750 ---- 39
B. 31 ---- 850
C. 50 ---- 50

D. 16 ---- 4
E. 950 ---- 300
F. 116 ---- 116

- 3- Write the numbers in increasing order (Ascending order) –

A. 197, 78, 22, 512
B. 250, 150, 50, 350

- 4- Write the numbers in decreasing order (Descending order) –

A. 34, 515, 135, 247
B. 500, 700, 400, 600

- 5- A. Write the number, just before 426 (predecessor) –
B. Write the number, just after 730 (successor) –