

**SESSION : 4**

**CLASS : 3**

**SUBJECT : MATHEMATICS**

**CHAPTER NUMBER: 2**

**CHAPTER NAME : NUMBERS**

**SUBTOPIC : FORMING NUMBERS WITH THE GIVEN DIGITS**

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**CHANGING YOUR TOMORROW**

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## **LEARNING OBJECTIVE :**

**Students will acquire knowledge regarding :**

- \* Smallest 4-digit number**
- \* Greatest 4-digit number**
- \* Form smallest and greatest 4-digit numbers from the given digits.**
- \* Impact of ascending and descending order to find smallest and greatest 4-digit number from the given digits.**
- \* Learn the importance of numbers in every day life.**

# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

You learnt to form a 4-digit number by arranging the digits in any order.



So, the possible numbers are :

9631

6931

3961

1369

6391

9361

and so on

# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

If the possible numbers are :

9631

6931

3961

9361

6391

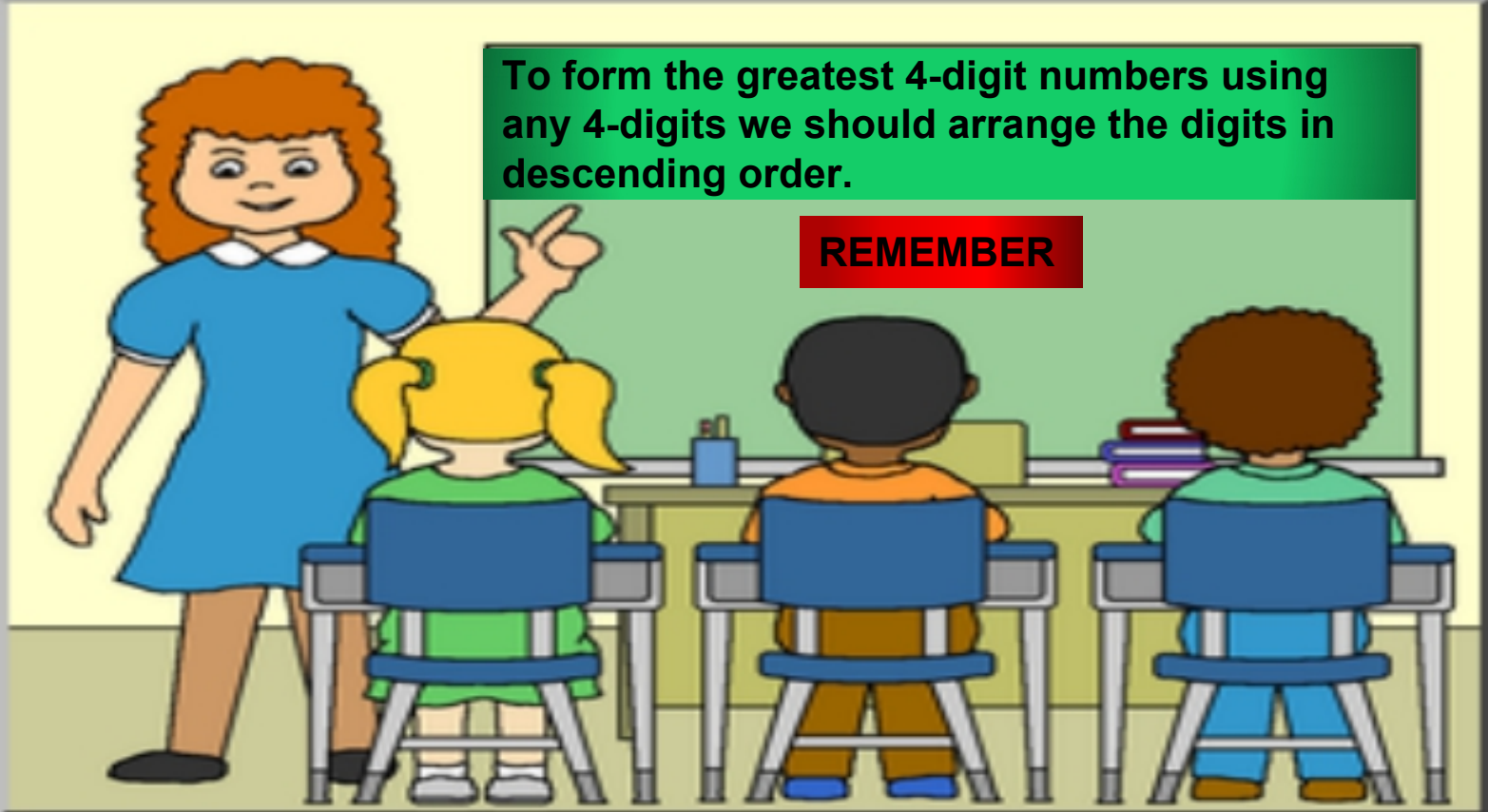
1369

Now tell me which number is the **greatest**.



# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS



To form the greatest 4-digit numbers using any 4-digits we should arrange the digits in descending order.

**REMEMBER**

# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

THE DIGITS ARE:

6, 2, 5, 9

THE GREATEST NUMBER IS:

9 6 5 2

IF '0' IS A DIGITS:

4, 2, 0, 7

THE GREATEST NUMBER IS:

7 4 2 0

LET'S SEE SOME EXAMPLES

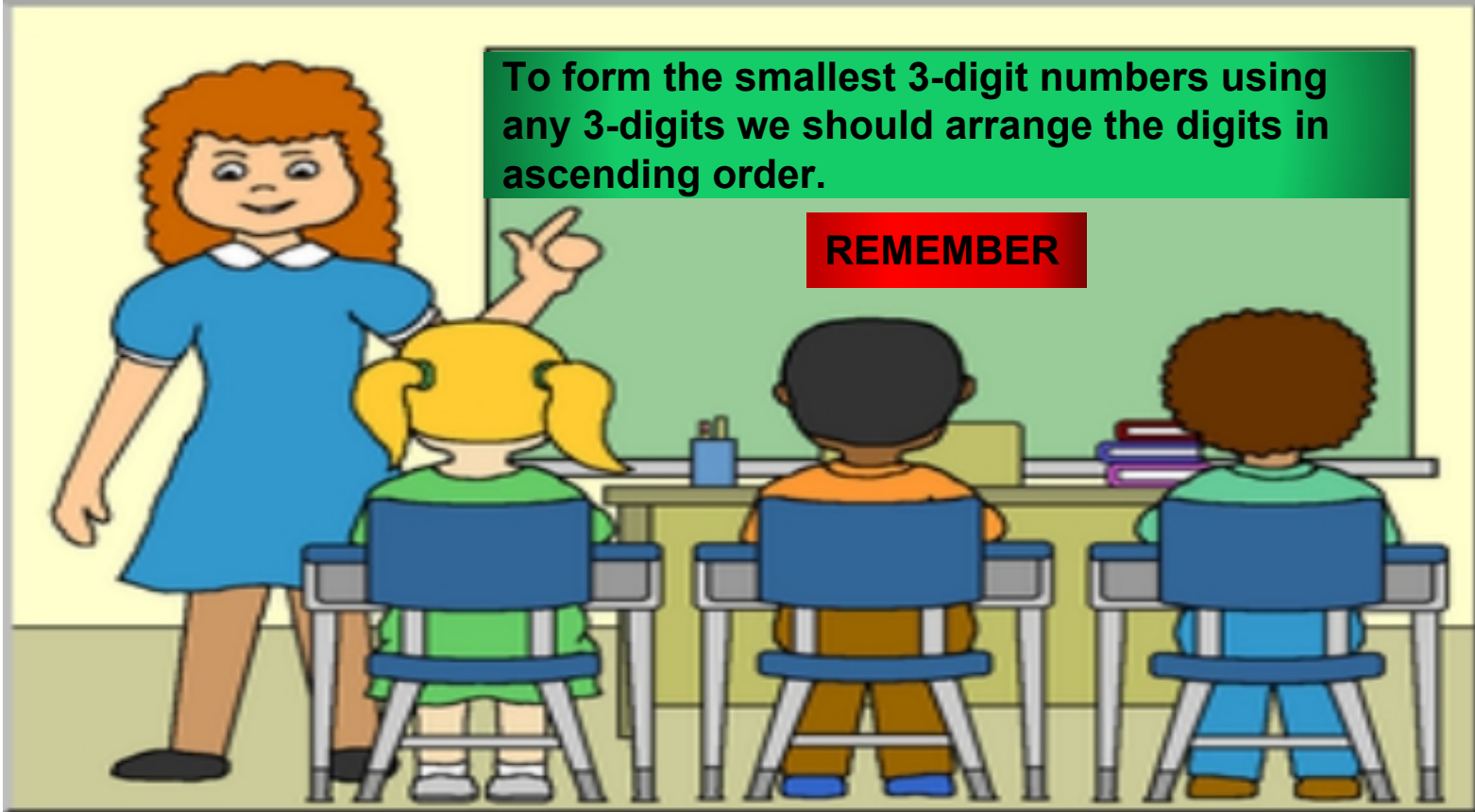


# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

To form the smallest 3-digit numbers using any 3-digits we should arrange the digits in ascending order.

**REMEMBER**



# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

THE DIGITS ARE:

7, 6, 2, 1

LET'S SEE SOME EXAMPLES

THE SMALLEST NUMBER IS:

1 2 6 7

IF '0' IS A DIGIT LET US SEE HOW TO FORM 4-DIGIT NUMBER:

2, 8, 0, 3

THE SMALLEST NUMBER IS:

~~0 2 3 8~~

2 0 3 8 ✓





# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

THE DIGITS ARE:

5, 2, 9, 7

CAN YOU FIND ??????



**GREATEST**

9 7 5 2



**Nine thousand seven hundred fifty two**

**SMALLEST**

2 5 7 9



**Two thousand five hundred seventy nine**

# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

THE DIGITS ARE:

2, 4, 6, 0

CAN YOU FIND WITH THESE DIGITS ????

**GREATEST**

6 4 2 0

**Six thousand four hundred twenty**

**SMALLEST**

2 0 4 6

**Two thousand forty six**



# NUMBERS

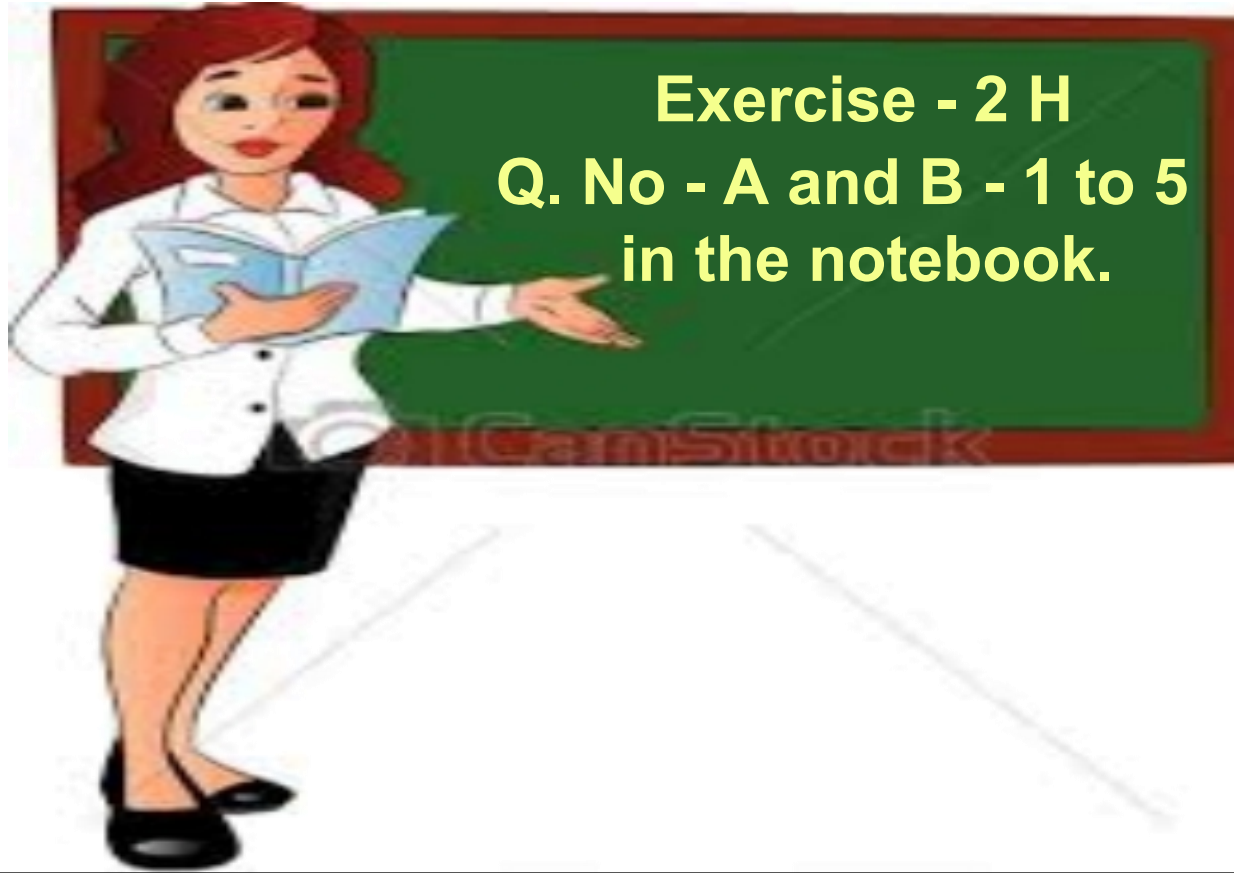
## FORMING NUMBERS WITH THE GIVEN DIGITS

### REMEMBER

- \* To form the greatest 4-digit numbers using the given sets of digits if repetition of digits is allowed we find the greatest digit and write four times.**
- \* To form the smallest 4-digit numbers using the given sets of digits if repetition of digits is allowed we write the smallest number four times but if '0' is smallest then write the next digit followed by three zeroes.**

# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS



# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS

A. Form the greatest and the smallest 3-digit numbers using the given sets of digits, without repeating any digit in the number.

	DIGITS	GREATEST	SMALLEST
1	7, 4, 2, 6	7 6 4 2	2 4 6 7
2	5, 2, 8, 4	8 5 4 2	2 4 5 8
3	1, 7, 3, 8	8 7 3 1	1 3 7 8
4	8, 0, 4, 7	8 7 4 0	4 0 7 8
5	9, 2, 0, 5	9 5 2 0	2 0 5 9

# NUMBERS

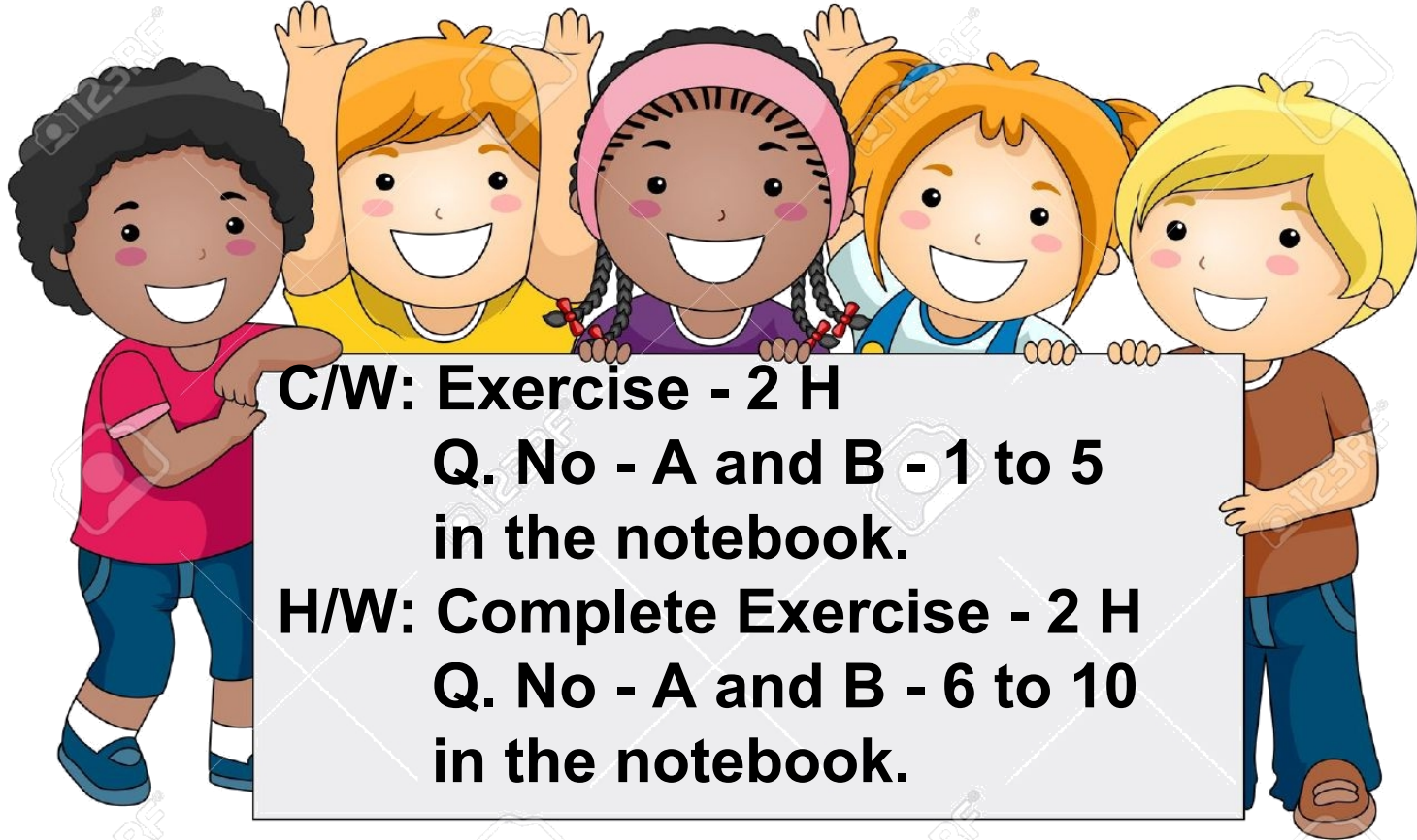
## FORMING NUMBERS WITH THE GIVEN DIGITS

B. Form the greatest and the smallest 4-digit numbers using the given sets of digits if repetition of digits is allowed.

	DIGITS	GREATEST	SMALLEST
1	3, 2, 7, 5	7777	2222
2	4, 1, 7, 0	7777	1000
3	2, 7, 0, 5	7777	2000
4	4, 5, 9, 1	9999	1111
5	9, 6, 8, 3	9999	3333

# NUMBERS

## FORMING NUMBERS WITH THE GIVEN DIGITS



**C/W: Exercise - 2 H**

**Q. No - A and B - 1 to 5  
in the notebook.**

**H/W: Complete Exercise - 2 H**

**Q. No - A and B - 6 to 10  
in the notebook.**

## **LEARNING OUTCOME:**

**Students will be able to form smallest and greatest 4-digit number from the given digits. Can explain the relation of ascending and descending order to form smallest and greatest 4-digit number from the given digits. Learn the importance of numbers in everyday life.**





**THANKING YOU**  
**ODM EDUCATIONAL GROUP**