SESSION : 4
CLASS : 3
SUBJECT : MATHEMATICS
CHAPTER NUMBER: 2
CHAPTER NAME : NUMBERS
SUBTOPIC : FORMING NUMBERS WITH THE GIVEN DIGITS

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.

FORMING NUMBERS WITH THE GIVEN DIGITS

You learnt to form a 3-digits number by arranging the digits in any order.

Now let us form 4-digits numbers with the given digits.

6,   9,   3,   1

So, the possible numbers are :

**9631**   **6931**   **3961**   **1369**   **6391**   **9361**   **and so on**
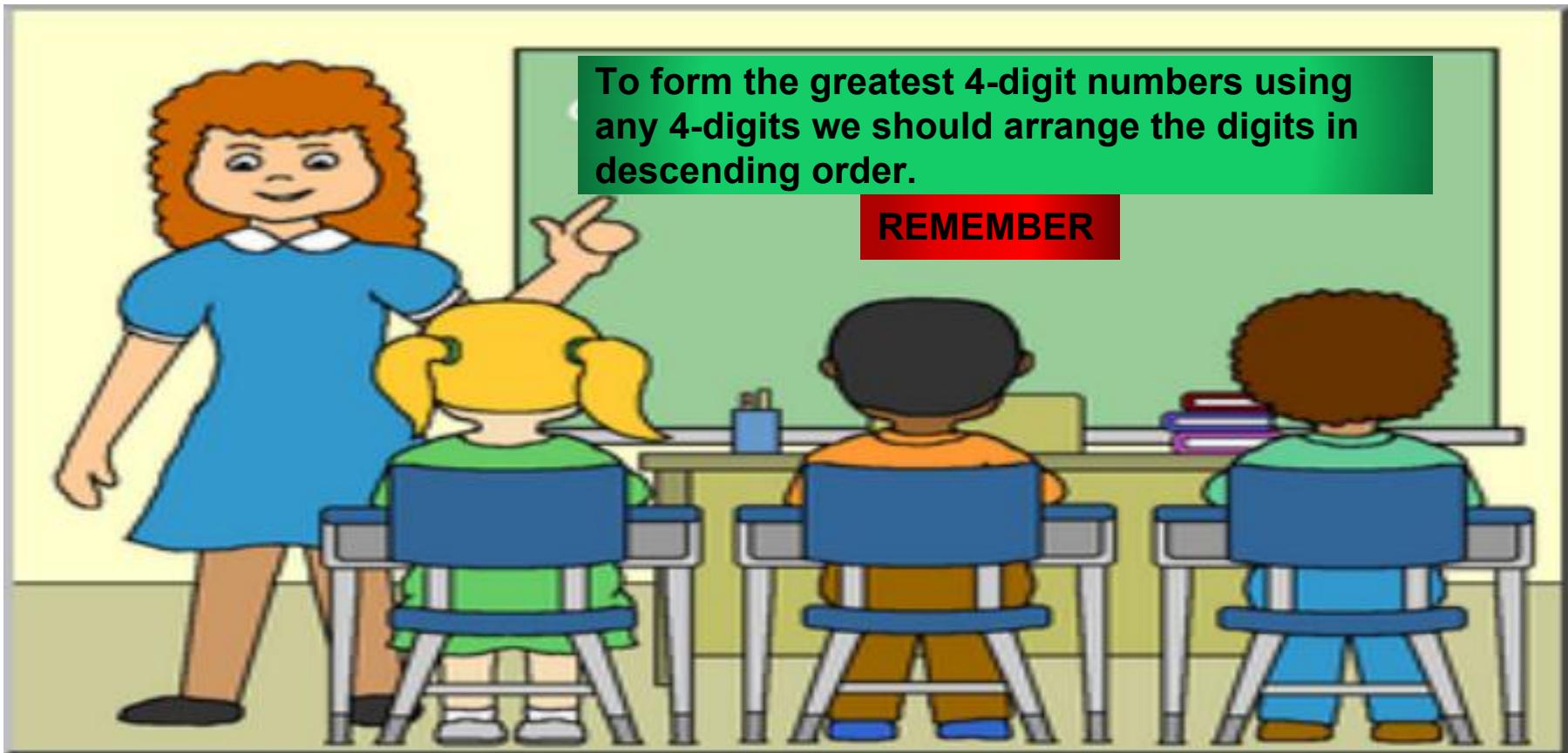
FORMING NUMBERS WITH THE GIVEN DIGITS

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

REMEMBER

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 |
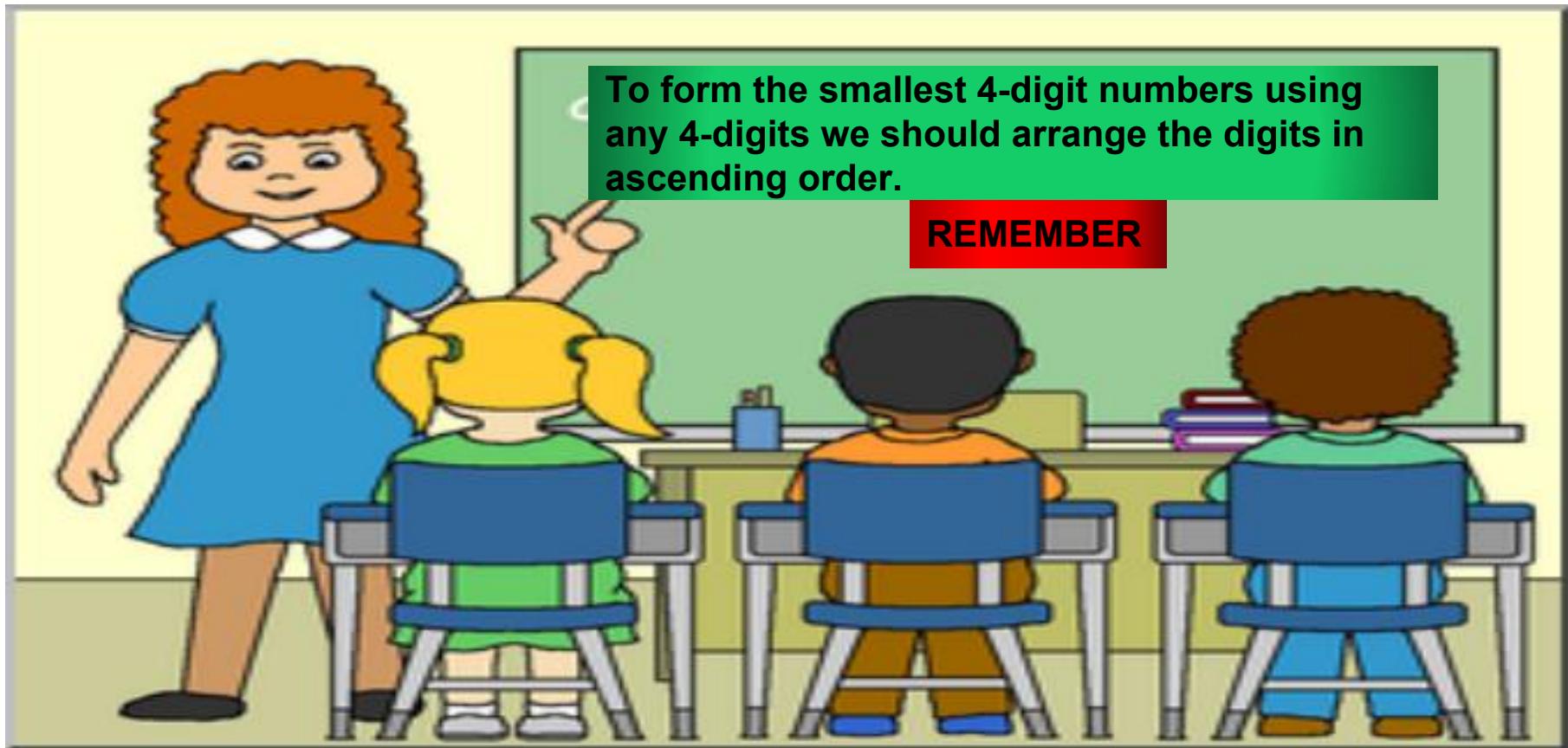
THE GREATEST NUMBER IS:

| 7 | 4 | 2 | 0 |

LETS SEE SOME EXAMPLES

FORMING NUMBERS WITH THE GIVEN DIGITS

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

REMEMBER

NUMBERS
FORMING NUMBERS WITH THE GIVEN DIGITS

THE DIGITS ARE:

| 7, | 6, | 2, | 1 |

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 |

LETS SEE SOME EXAMPLES

NUMBERS
FORMING NUMBERS WITH THE GIVEN DIGITS

THE DIGITS ARE:

5,   2,   9,   7

CAN YOU FIND ??????

GREATEST

SMALLEST

9   7   5   2

2   5   7   9

Nine thousand seven hundred fifty two

Two thousand five hundred seventy nine

FORMING NUMBERS WITH THE GIVEN DIGITS

THE DIGITS ARE:

CAN YOU FIND WITH THESE DIGITS ????

| 2, | 4, | 6, | 0 |

GREATEST

SMALLEST
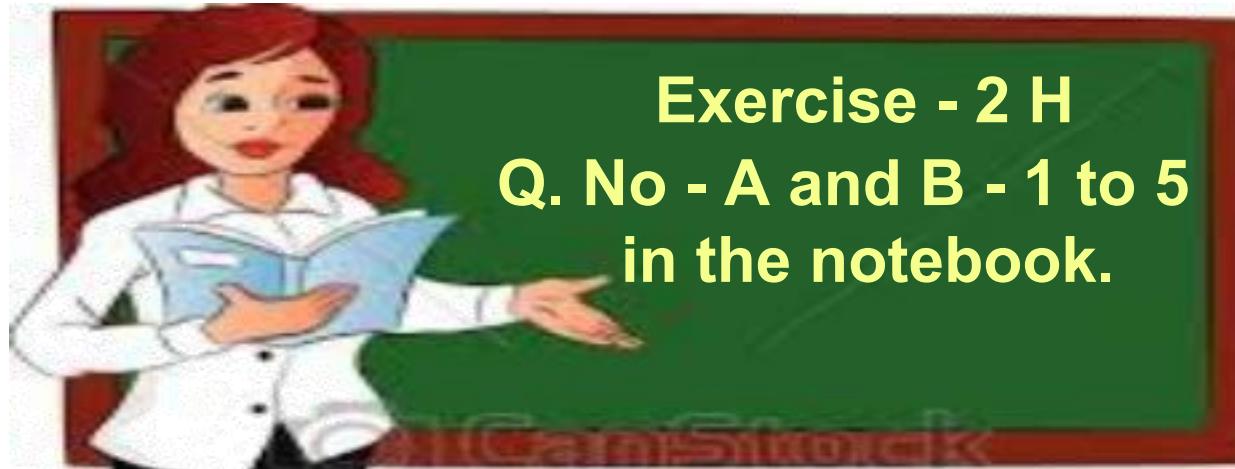
| 6 | 4 | 2 | 0 |

| 2 | 0 | 4 | 6 |

Six thousand four hundred twenty

Two thousand forty six

NUMBERS
FORMING NUMBERS WITH THE GIVEN DIGITS

Exercise - 2 H
Q. No - A and B - 1 to 5
in the notebook.

FORMING NUMBERS WITH THE GIVEN DIGITS

A. Form the greatest and the smallest 4-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

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.**

EXAMPLE

DIGITS	GREATEST	SMALLEST
3 , 9 , 0 , 6	9 9 9 9	3 0 0 0
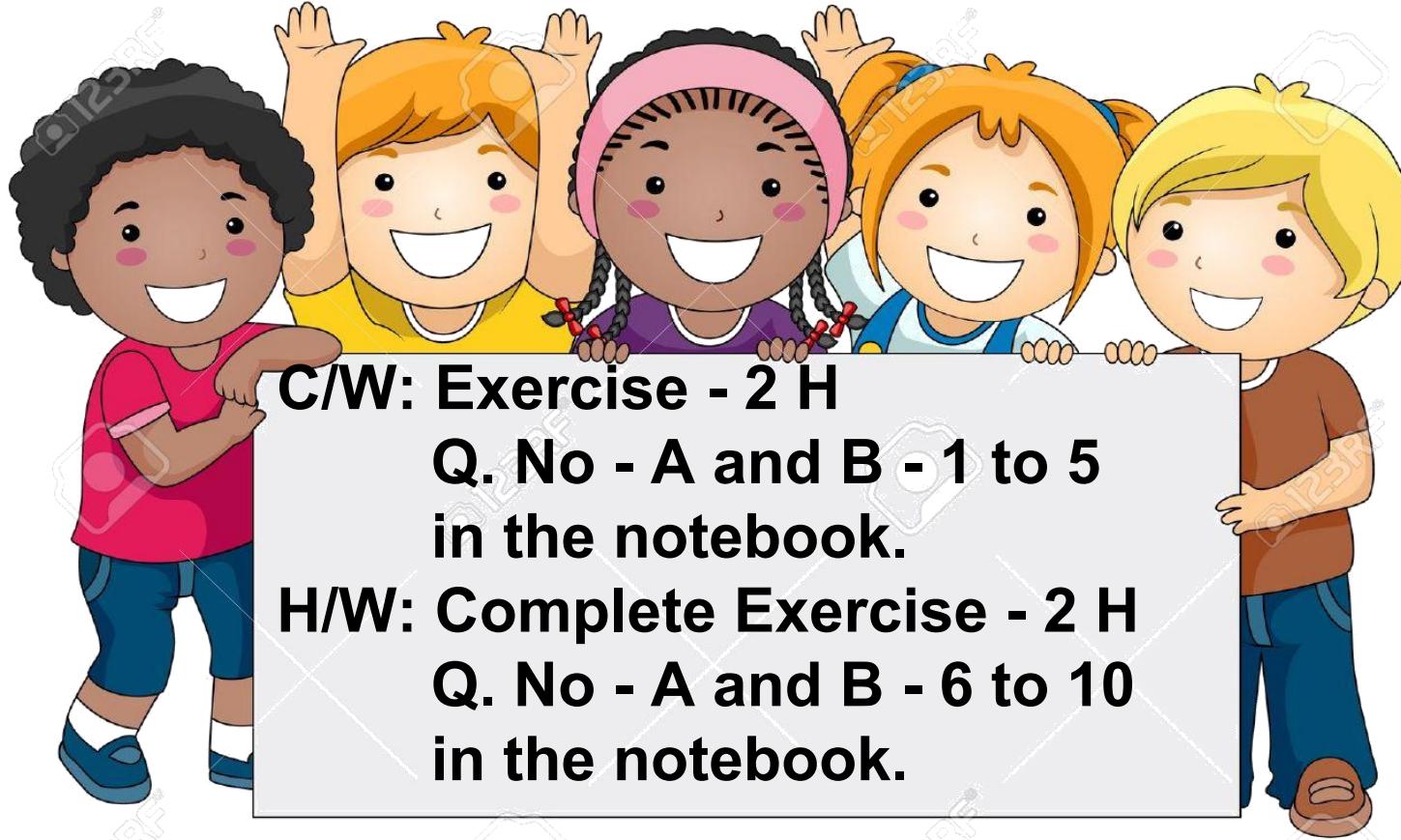
FORMING NUMBERS WITH THE GIVEN DIGITS

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	7 7 7 7	2 2 2 2
2	4 , 1 , 7 , 0	7 7 7 7	1 0 0 0
3	2 , 7 , 0 , 5	7 7 7 7	2 0 0 0
4	4 , 5 , 9 , 1	9 9 9 9	1 1 1 1
5	9 , 6 , 8 , 3	9 9 9 9	3 3 3 3

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.

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

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