ORANGE

WORKSHEET ①

TOUCHPAD
PLAY Ver. 2.1 ⊙

Chapter-1

CLASS 8

Name: _____

Roll No: _____

Class: _____ Section: _____ Date: _____

NUMBER SYSTEM

A.   Match the following.

1.   Binary number system   a.   base 16

2.   Octal number system   b.   base 2

3.   Decimal number system   c.   base 8

4.   Hexadecimal number system   d.   base 10

B.   Circle the correct option.

1.   The digital computer represents all kinds of data and information in (binary / octal) numbers.

2.   The (binary / decimal) number system consists of ten digits from 0 to 9.

3.   (Decimal / Octal) number system is used as a shorthand representation of long binary numbers.

4.   The (hexadecimal / octal) number system consists of 16 digits from 0 to 15.

5.   The positional value of each digit in octal number is (twice / thrice) the place value.

C.   Write the full forms of the following:

1.   MSD – ....

2.   LSD – ....

D.   Extract the binary number from the given example and write below:

2	64 – 0
2	32 – 0
2	16 – 0
2	8 – 0
2	4 – 0
2	2 – 0
	1 – 0

Binary number is: ....

Grade: ☆ ☆ ☆ ☆ ☆   Teacher's Signature: _____