

Students will be able to decode verbal messages involving patterns of alphabets & numerals

 **40- 50 min**

 **PRE REQUISITES:**

G3.63 Know how to complete growing patterns

 **TLM**



Blank sheets

 **MISCONCEPTIONS**

None



KEY VOCABULARY

None

PLAY



Secret messages using alphabets and numbers

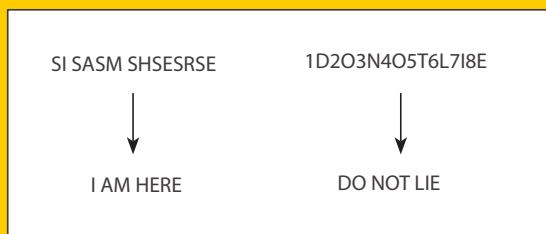
○ Show a card with L2E2T2S
P2L2A2Y written on it

○ Tell the students that it is a secret message & ask if anyone of them can decode it

○ Once the students decode the message, ask them to write their own secret messages to their friends

○ Tell the students to use numbers, commas, full stops to disguise their messages

PROCESS



Decoding Secret Messages

○ Write "SI SASM SHSESRSE" on the board

○ Tell the students that there is an "after every letter. Erase every alternate" & read out the message "I AM HERE"

○ Say that we can write any secret message to our friends using the alphabet or number coding in various ways

○ Explain that we can either write the same letter or number after every alphabet

○ We can also write a counting sequence to disguise the message.

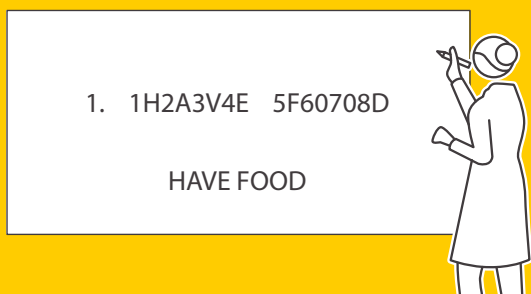
Write 1D2O3N4O5T6L7I8E

○ Point to the numerals & tell that there is a numeral at every alternate position

○ Erase the numerals & read out the message

○ Explain that disguising a word or a sentence so that others can't read it is called coding

PRACTICE



Write the question on the black board & help the students solve

○ Help the students solve question 4 from the worksheet. Ask the student to look at the secret messages & find the true message

 **QUESTION**

If the message "HAVE FOOD" was written as whateve froogd , would you be able to find the true message? Why or why not?

○ Tell the students that it would be very difficult to find the true message from "whateve froogd" because we would not know which alphabets to remove & which to keep

○ Explain that while coding a message it is important to maintain some pattern else our friends will not be able to find the true message



① SOLVED EXAMPLE : Write this message as a secret message

HAVE FUN

Ans: EHEAEVEE EFEUEN



② Write your own secret message

2_2_2_2_ 2_2_2_2_

③ Write these messages as secret messages

a. GOOD LUCK

b. THANK YOU

b. COME BACK

④ Look at the secret messages & find the true message

a. 1H2A3V4E 5F6O7O8D

b. OH0A0VOE OF0U0N

c. FCFOFMFE FOFN

⑤ Match the same messages

S.No.	Column 1	Column 1
1.	SSSTSASYSFSIST	xIxNxDxIxAxGxAxTxEx
2.	HIHNHDHIHAHGHAHTHE	FSFTFAFYFFFIFT
3.	3P3I3C3N3I3C	9P9I9C9N9I9C



Another way to write secret messages is to use numerals for each alphabet. For example, A is written as 1, B is written as 2, & so on

Use this chart & write a secret message

A	B	C	D	E	F	G	H	I	J
1	2	3	4	5	6	7	8	9	10

K	L	M	N	O	P	Q	R	S	T
11	12	13	14	15	16	17	18	19	20

U	V	W	X	Y	Z
21	22	23	24	25	26