

ACTIVITY NO . – 10 PLAY WITH PATTERNS

SUBJECT	MATHEMATICS
CLASS	III
CHAPTER/UNIT	PLAY WITH PATTERNS
TOPIC	DECODING THE SECRET MESSAGE
TIME	30 MINUTES
NATURE OF ACTIVITY	IN PAIRS OF TWO

What will I learn (Learning Outcome)?

Decoding the secret message.

Skills: Analyzing, Critical Thinking.

What I have to do?

To crack the code and find a meaningful word using the code chart.

What do I require?

White rectangular strip of size 15 cm × 5cm, sketch pens, code chart (Resource attached as ANNEXURE C).

What do I need to know?

Series of English alphabets and some special characters.

➤ Teacher's Activity:

Teacher will guide the class to perform this activity in pairs and show the code chart prepared by her. (Resource attached as ANNEXURE C).

How will I proceed?

➤ Student's Activity:

- 1) Take a white rectangular strip of 15 cm × 5cm.
- 2) Use the code chart shown by the teacher to write one word depicting good quality of your partner . For eg: If you wish to write **HELPFUL** you will write **7 4 @ ^ 5 +@**
- 3) Now, both the partners will exchange their strips and decode the secret quality mentioned by their partner.

4) At last all the students will share each other's quality with the class which will add new words to their vocabulary.

What have I observed ?

The secret code: _____

My decoded quality: _____

What have I learnt?

To decode the secret message using the code chart.

What am I curious to know?

Can I make few more secret messages using the same chart?

Let me evaluate myself

Q1) Use the code chart given below to decode each word.

1= A	4=D	7=G	10=J	13=M	16=P	19=S	22= V	
2=B	5=E	8=H	11=K	14=N	17= Q	20= T	23= W	25 = Y
3=C	6=F	9=I	12= L	15=O	18= R	21= U	24 = X	26 = Z

(i)

4	15	14	1	12	4

4	21	3	11

(ii)

13	15	1	14	1

(iii)

2	5	1	19	20

(iv)

19	9	13	2	1

Q2) Use the Alphabet code given below to crack the secret message.

1= a	4=d	7=g	10=j	13=m	16=p	19=s	22= v	
2=b	5=e	8=h	11=k	14=n	17= q	20= t	23= w	25 = y
3=c	6=f	9=i	12= l	15=o	18= r	21= u	24 = x	26 = z

<u>QUESTION</u>	<u>NUMBER</u>	<u>LETTER</u>
0 + 3 =		
7 + 8 =		
8 + 6 =		
4 + 2 =		
6 + 3 =		
3 + 1 =		
3 + 2 =		
7 + 7 =		
1 + 2 =		
4 + 1 =		

The secret word is : _____

CODE CHART

(ANNEXURE C)

A	B	C	D	E	F	G	H	I	J
0	1	2	3	4	5	6	7	8	9

K	L	M	N	O	P	Q	R	S	T
!	@	#	\$	%	^	&	*	(	)

U	V	W	X	Y	Z
+	-	×	÷	=	?