BAL BHARATI PUBLIC SCHOOL, PITAMPURA, DELHI – 110034

CLASS IV SUBJECT- MATHEMATICS TERM 2 (2020 - 2021)

TOPIC- MULTIPLES AND FACTORS

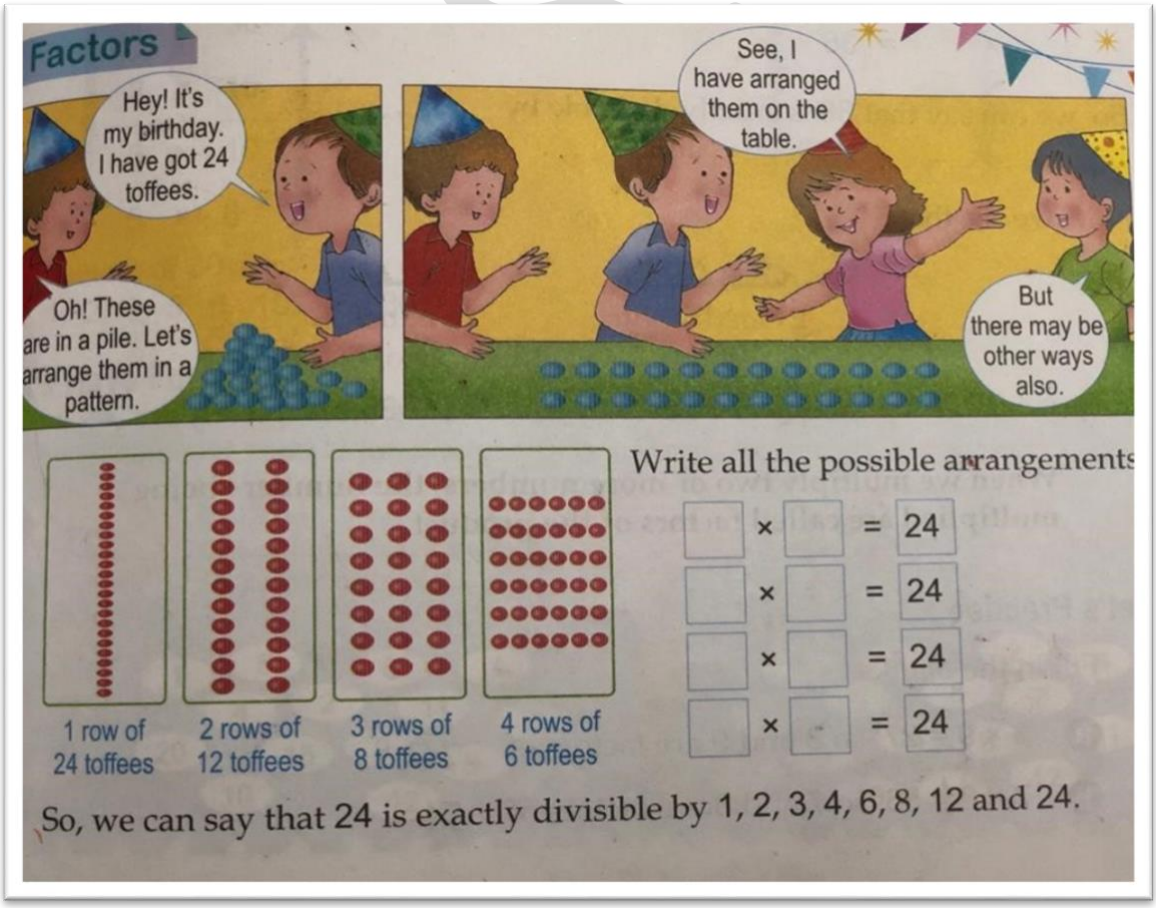
NAME - _____CLASS IV/ SEC ____DATE –01/12/2020 -04 /12/2020

Learning outcomes :

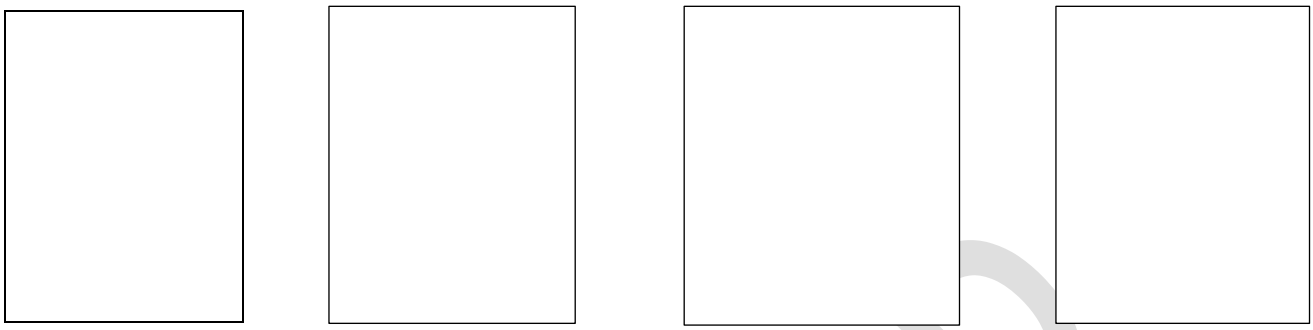
Each child will be able to :

- Observe the number patterns in relation to factors and generalise their properties.
- Develop the skill to apply the concept of factors in the given situations.

FACTORS



Now, let's take one more example:
Arrange 12 shells/ stones in all possible rectangular arrays.



1x12 _____ _____ _____

Write all the possible arrangements.

1._____ = 12

2._____ = 12

3._____ =12

4._____ = 12

So, we can say that 12 is exactly divisible by _____, _____, _____, _____, _____, _____.

FACTORS ARE THE EXACT DIVISORS OF A NUMBER.

When we multiply two or more numbers, the numbers being multiplied are called factors of the product and the product is called the multiple of those numbers which were being multiplied.

Example:

7 x 5 = 35

- **7 and 5 are the factors of 35.**
- **35 is the multiple of 7 and 5.**

LET'S PRACTISE

Q1. Fill in the blanks:

a. **3 x 6 = 18 ; So 3 and 6 are factors of _____.**

b. **8 x 4 = 32 ; So 8 and 4 are factors of _____.**

c. **2 x 3 x 9 = 54; So ___, ____ and ____ are factors of 54.**

d. **2 x 4 x 3 = 24; So ____, _____ and _____ are the factors of _____.**

e. **15 = _____ x _____**

f. **20 = _____ x _____**

g. **The first factor of 9 is _____.**

h. **1 x _____ = 18**

i. **3 x _____ x _____ = 21**

USE THE FOLLOWING LINKS FOR THE BETTER UNDERSTANDING OF THE CONCEPT:

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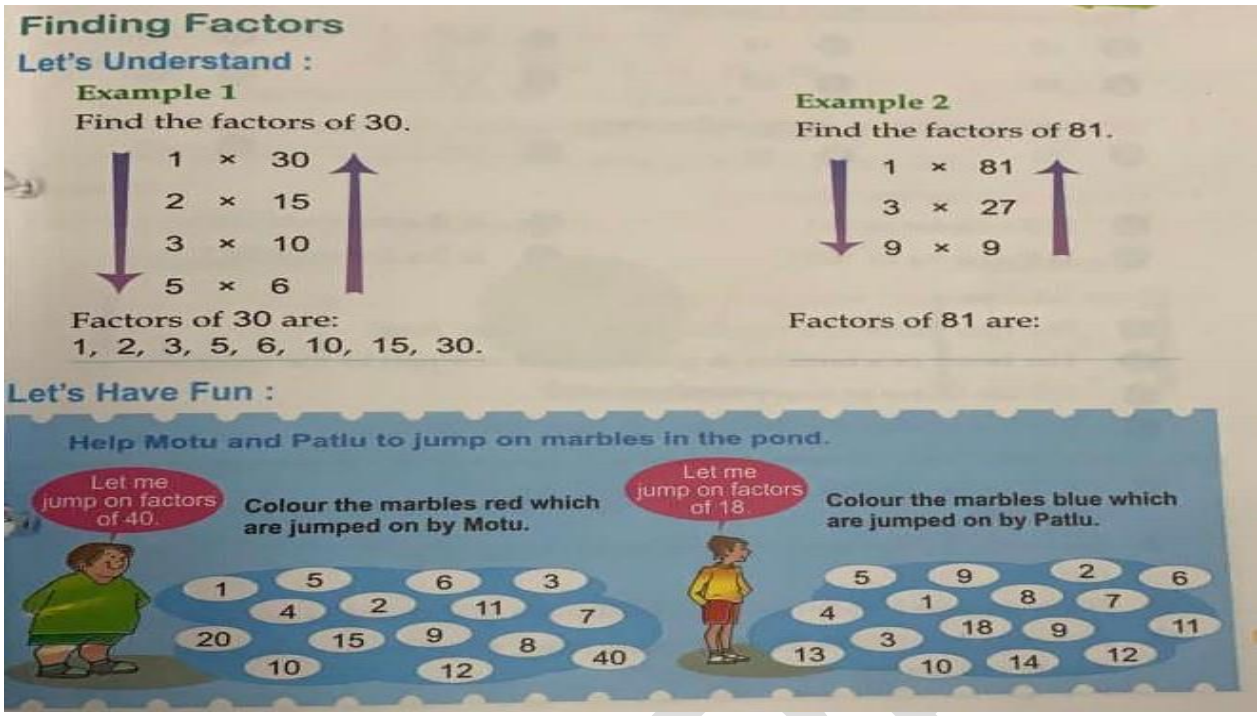
https://youtu.be/cSm0rqc2Bv4



Now, we have learnt about factors that:

i. **_____ is the factor of every number.**
ii. **The smallest factor of every number is _____.**
iii. **The largest factor of every number is _____.**
iv. **Factors of every number lies between _____ and _____.**
v. **There are _____ factors of any number.**
vi. **Factors are _____ divisors of the number.**
vii. **The smallest factor of 25 is _____.**
viii. **The largest factor of 19 is _____.**
ix. **Factors of 20 lie between _____ and _____.**

Q2. Find the factors of the following:

a. **20**
b. **35**
c. **21**
d. **20**
e. **55**