



**SANGHAMITRA SCHOOL**  
**ANNUAL EXAMINATION**  
**RESULT ANALYSIS (2021-22)**

**Class: VIII**

**Date: 22-04-2022**

**Subject: Math**

**Marks: 40**

**Time: 2 Hours**

**Name of the chapters: Linear equations in one variable, Comparing quantities,  
Algebraic expressions and identities, Mensuration,  
Factorisation, Introduction to graph**

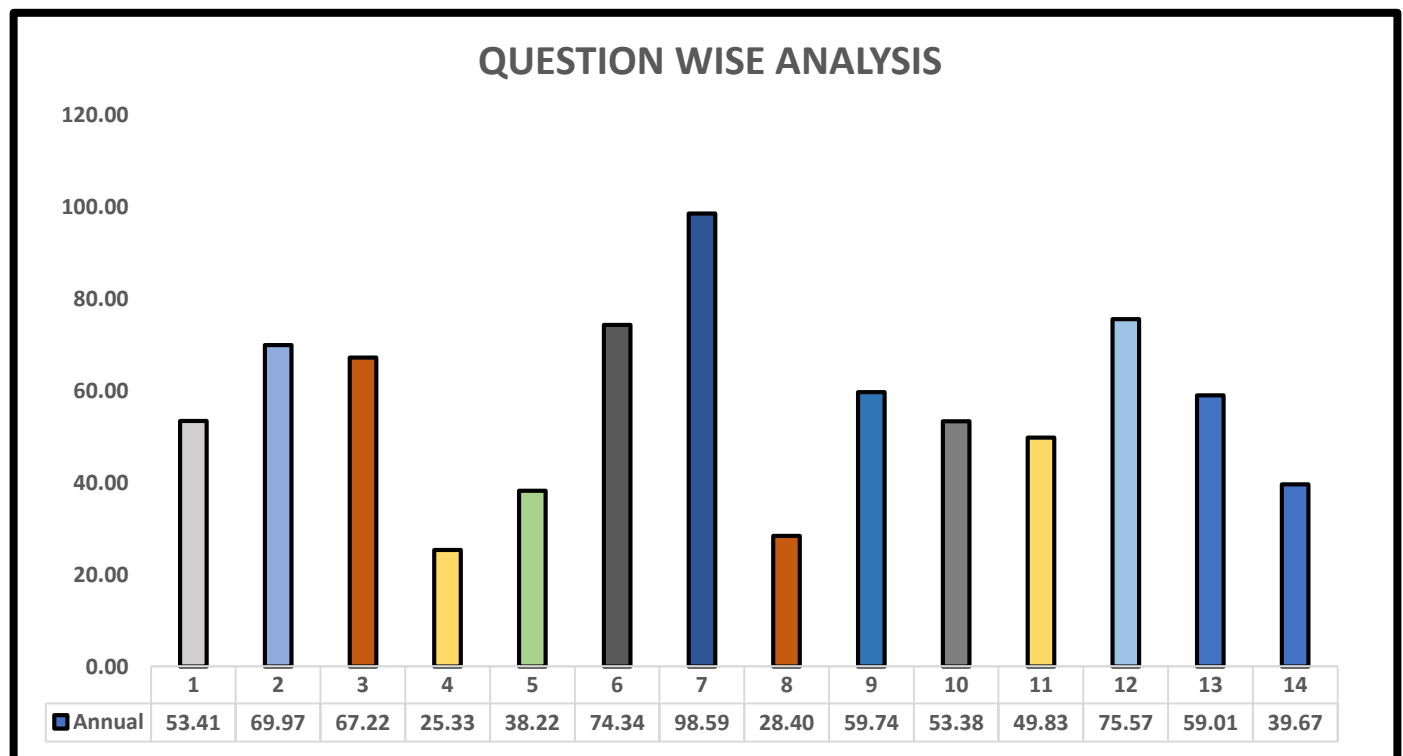
**No. of Questions: 6**

**Total strength: 155**

**Total Present: 155**

**Absent: NIL**

**QUESTION WISE ANALYSIS:**



## CRITICAL QUESTIONS:

1. Factorize the given expressions and divide as directed: (Applying)

$$z(5z^2 - 80) \div 5z(z + 4)$$

$$\text{Sol: } 5Z(Z^2 - 16) / 5Z(Z+4)$$

$$(Z+4)(Z-4) / (Z+4) = (Z-4)$$

5. The sum of two numbers is 2490, If 6.5% of one number is equal to 8.5% of the other, find the numbers.

**Sol:** Let one number be  $x$

$$\text{The other number} = 2490 - x$$

$$\frac{6.5}{100} x = \frac{8.5}{100} (2490 - x)$$

$$x = 1411 \quad 2490 - 1411 = 1079$$

**So, the numbers are 1411 and 1079.**

8. The cost of a beauty spa service including 28% GST is rupees 1024. Calculate its original price. (Analysing)

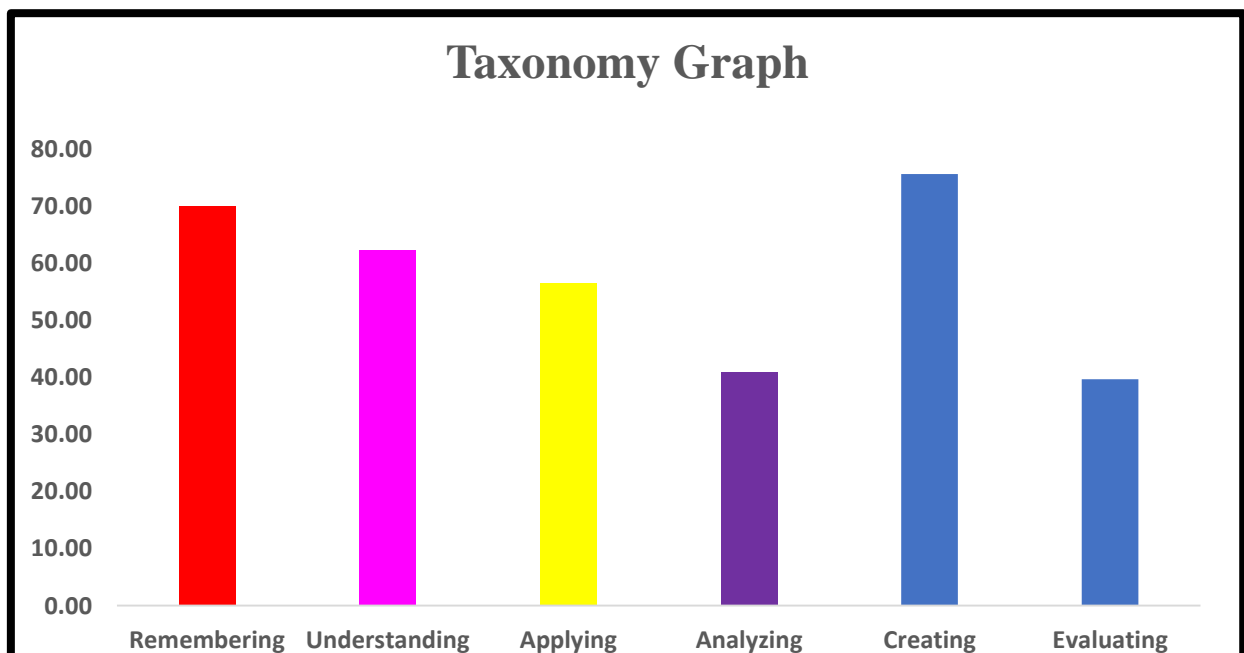
**Sol:** Let original price be ₹  $x$

$$x + \frac{28}{100} x = 1024$$

$$\text{original cost} = ₹ 800$$

**Remediation:** Concepts will be revised once again next year as a revision and worksheet will be given.

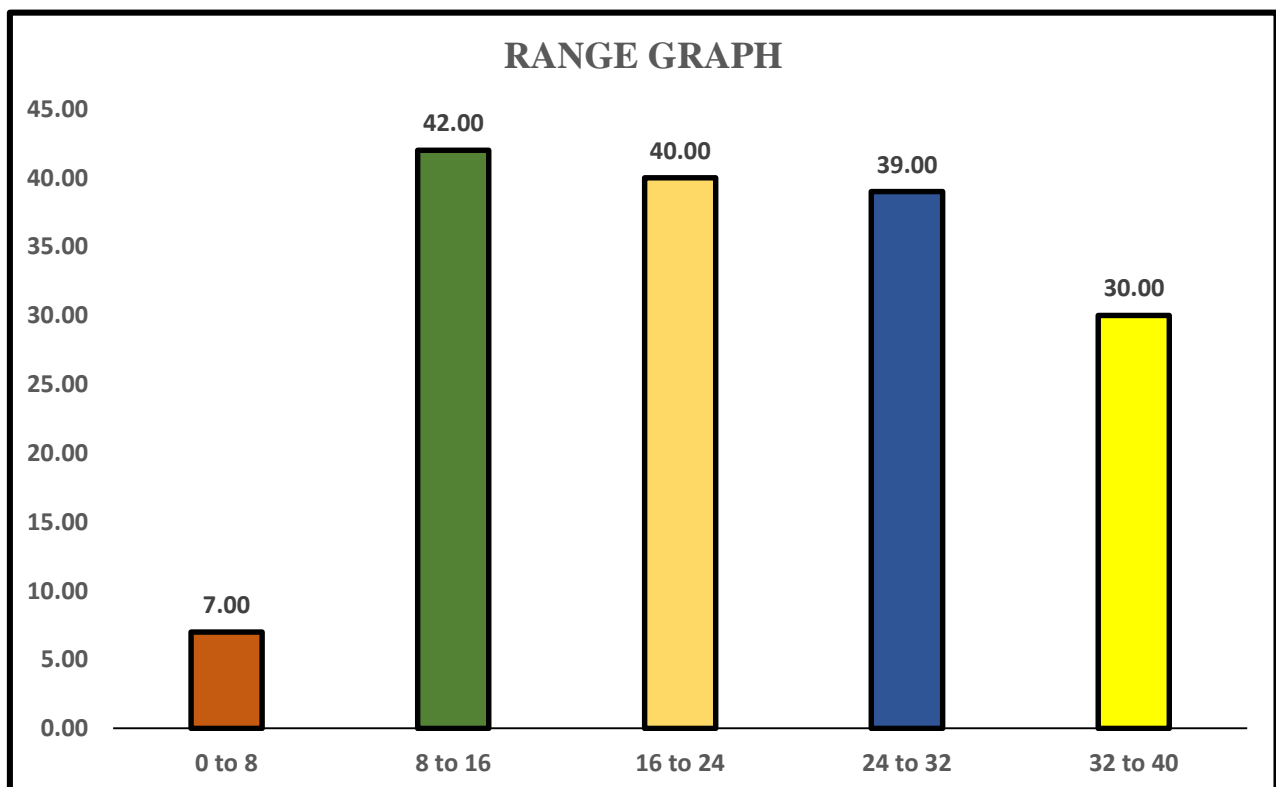
## BLOOM'S TAXONOMY GRAPH



## BLOOM'S TAXONOMY TABLE:

TAXONOMY	PERCENTAGE
Remembering	69.97
Understanding	62.22
Applying	56.50
Analysing	40.90
Evaluating	39.67
Creating	75.57

## MARKS RANGE GRAPH



## MARKS RANGE TABLE

RANGE	NUMBER OF STUDENTS
0-8	7
8-16	42
16-24	40
24-32	36
32-40	30
TOTAL	155

## SECTION WISE PERCENTAGES:

SECTION	PERCENTAGE(%)
A	58.23
B	62.66
C	68.48
D	63.77
E	60.23
CLASS AVERAGE	62.67



**Thank You!**