

SUBTRACTION

Technical Terms:

- ★ Subtraction
- ★ Difference
- ★ Minuend
- ★ Subtrahend
- ★ Minus

Key Words:

★ Take away

★ how many more

★ left

★ how many less

Example:

T O

$$\begin{array}{r} 38 \\ - 15 \\ \hline 23 \end{array}$$

→ Minuend
→ Subtrahend
→ Difference

"—" is the sign of subtraction and is called Minus.

Properties of Subtraction:

Subtracting 0:

- * When zero is subtracted from a number, we get the same number.

$$17 - 0 = 17$$

Subtracting 1:

- * When 1 is subtracted from a number, we get the number that comes just before it.

$$12 - 1 = 11$$

Subtracting from itself:

- * When a number is subtracted from itself, we get zero.

$$14 - 14 = 0$$

I Subtracting a 1-digit number from a 2-digit number:

$$\begin{array}{r} \text{a)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 2 \quad 15 \\ \cancel{3} \quad \cancel{5} \\ - \quad \quad 8 \\ \hline 2 \quad 7 \end{array} \end{array}$$

$$\begin{array}{r} \text{b)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 3 \quad 11 \\ \cancel{4} \quad \cancel{1} \\ - \quad \quad 3 \\ \hline 3 \quad 8 \end{array} \end{array}$$

II Subtracting a 2-digit number from a 2-digit number:

$$\begin{array}{r} \text{a)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 8 \quad 16 \\ \cancel{9} \quad \cancel{6} \\ - 3 \quad 8 \\ \hline 5 \quad 8 \end{array} \end{array}$$

$$\begin{array}{r} \text{b)} \quad \begin{array}{r} \text{T} \quad \text{O} \\ 5 \quad 10 \\ \cancel{6} \quad \cancel{0} \\ 2 \quad 7 \\ \hline 3 \quad 3 \end{array} \end{array}$$

$$\boxed{\text{Difference} + \text{Subtrahend} = \text{Minuend}}$$

III Write the missing numbers:

a)

$$\begin{array}{r} 76 \\ - \boxed{22} \\ \hline 54 \end{array}$$

b)

$$\begin{array}{r} 80 \\ - \boxed{34} \\ \hline 46 \end{array}$$

IV Subtract and check your answers:

a)

$$\begin{array}{r} \text{T} \quad 0 \\ 5 \quad 15 \\ \ominus \quad 6 \quad 8 \\ \hline 47 \end{array}$$

$$\begin{array}{r} \text{T} \quad 0 \\ 47 \\ \oplus 18 \\ \hline 65 \end{array}$$

b)

$$\begin{array}{r} \text{T} \quad 0 \\ 7 \quad 10 \\ \ominus \quad 8 \quad 7 \\ \hline 63 \end{array}$$

$$\begin{array}{r} \text{T} \quad 0 \\ 63 \\ \oplus 17 \\ \hline 80 \end{array}$$

V Solve the following Word problems:

1. An orchard contains 25 apple trees and 36 plum trees. How many more plum trees are there than apple trees?

Op:-

$$\begin{array}{r}
 \text{Number of plum trees} = 36 \\
 \text{Number of apple trees} = 25 \\
 \text{Difference} = 11
 \end{array}$$

Ans: There are 11 more plum trees than apple trees.

2. I had 27 books. My friend took away 10 books. How many books are left with me now?

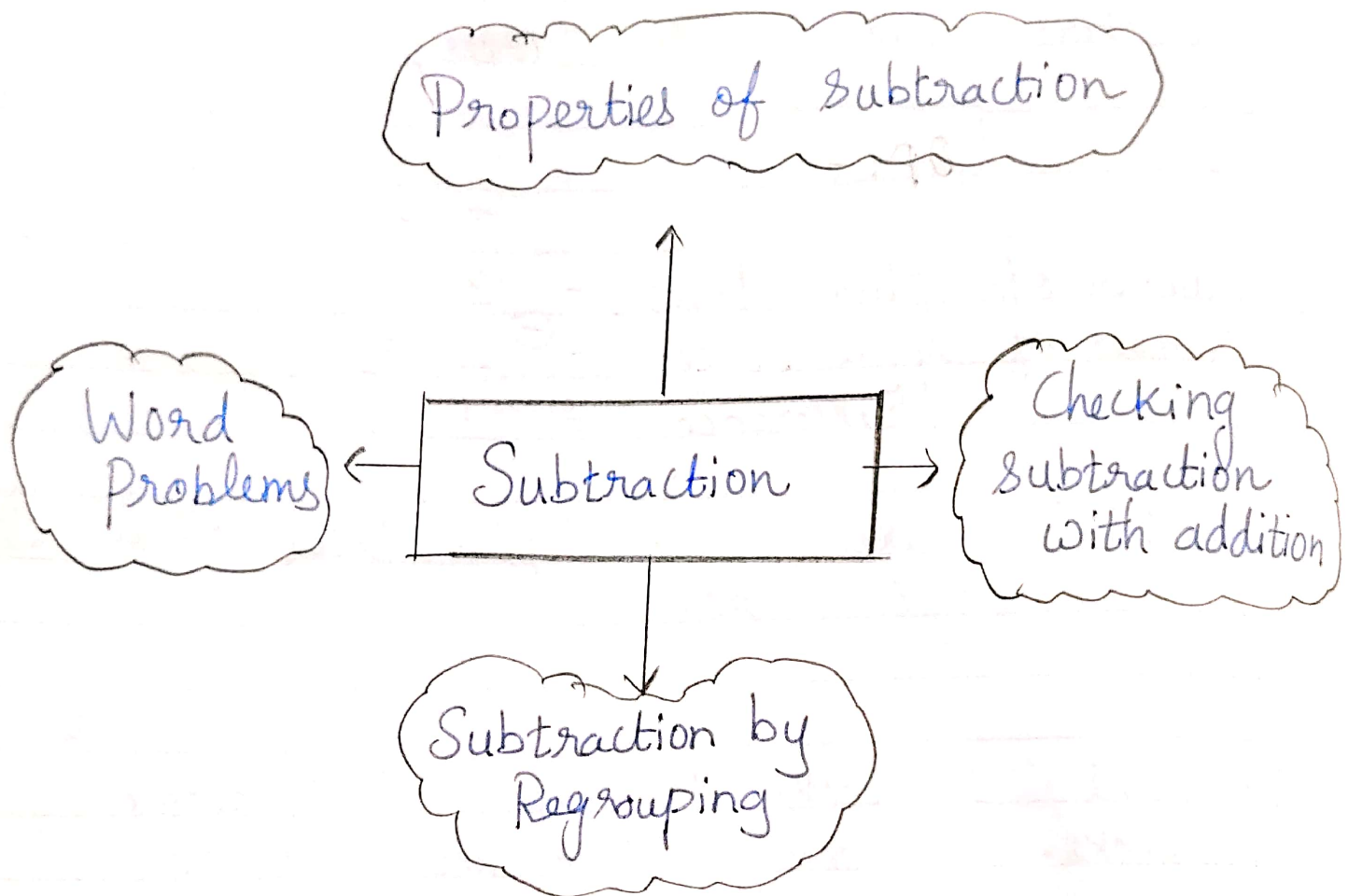
Op:-

$$\begin{array}{r}
 \text{Number of books I had} = 27 \\
 \text{Number of books my friend took} = 10 \\
 \text{Number of books left with me} = 17
 \end{array}$$

Ans: There are 17 books left with me now.

VI

Mind Map:



MONTH: July

CHAPTER - 4 SHAPES AND PATTERNS

classmate

Date _____
Page _____

Technical Terms:

- ★ Plane Shapes
- ★ Solid Shapes
- ★ Vertices
- ★ Edges
- ★ Roll
- ★ Slide
- ★ Patterns

Key Words :

- ★ Square
- ★ Rectangle
- ★ Triangle
- ★ Circle
- ★ Cube
- ★ Cuboid
- ★ Cone
- ★ Sphere

★ Plane Shapes

I	Plane Shapes	Sides	Corners
	Square	4	4
	Rectangle	4	4
	Triangle	3	3
	Circle	0	0

★ Solid Shapes

II

Solid Shapes	Faces	Edges	Vertices
Cube	6	12	8
Cuboid	6	12	8
Cone	2	1	1
Cylinder	3	2	0
Sphere	1	0	0

★ Roll or Slide

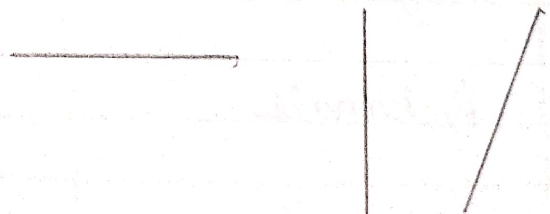
III

Shapes	Roll	Slide
Cube	x	✓
Cuboid	x	✓
Cylinder	✓	✓
Cone	✓	✓
Sphere	✓	x

IV

Straight lines and Curved lines:

i) Straight line :



ii) Curved line :



V. Patterns:

i) Repeated shapes make a pattern.

ii) A pattern can be formed with numbers

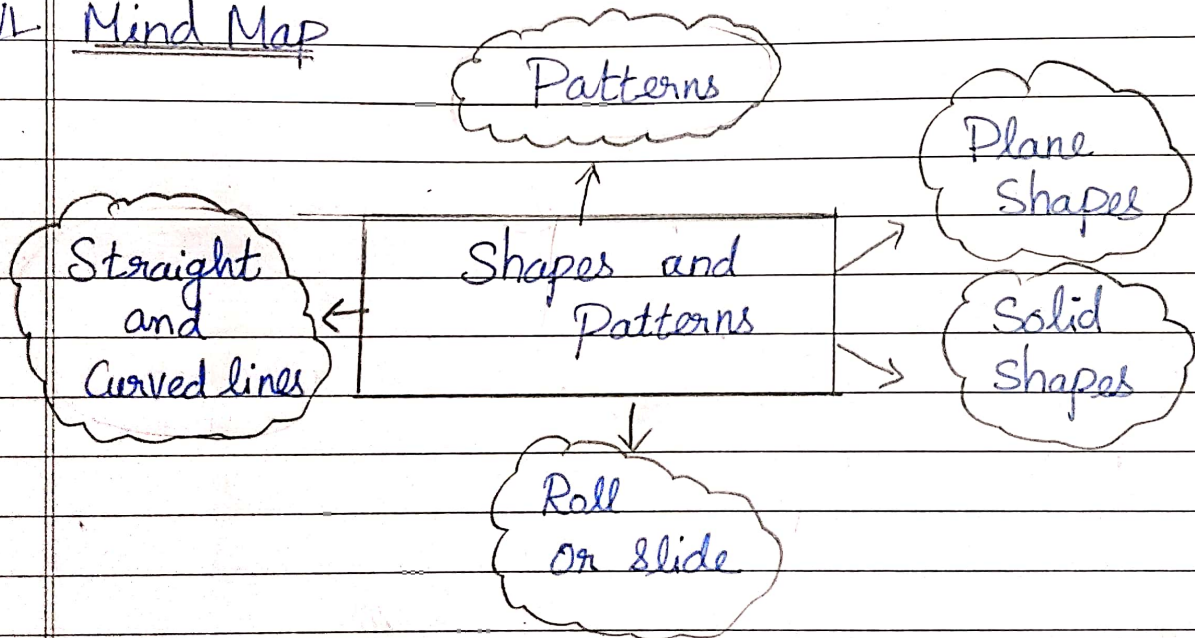
i) \triangle \bigcirc \triangle \bigcirc \triangle

ii) \star \square \star \square \star

iii) 100, 200, 300, 400, 500

iv) 220, 330, 440, 550, 660

VI. Mind Map



2021/07/25
H.O.D