

CHAPTER - 3

SUBTRACTION

TECHNICAL TERMS:

- ★ Minuend
- ★ Subtrahend
- ★ Difference
- ★ Borrowing

Key Words:

- ★ Counting backward
- ★ Taking away

Minus (-) is the sign indicates subtraction.

I Subtract the following by counting backward:

a) $54 - 2 = 52$

b) $37 - 6 = 31$

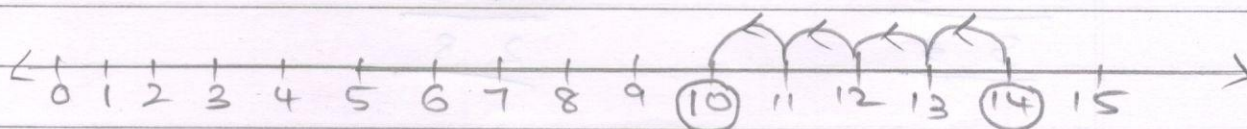
II Subtract:

a) $\begin{array}{r} T \quad O \\ 4 \quad 6 \\ - 3 \quad 2 \\ \hline 1 \quad 4 \end{array}$

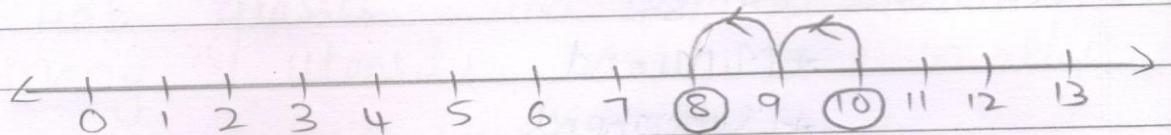
b) $\begin{array}{r} T \quad O \\ 7 \quad 7 \\ - 3 \quad 0 \\ \hline 4 \quad 7 \end{array}$

III Subtract the following on the number line:

a) $14 - 4 = \boxed{10}$



$$b) 10 - 2 = \boxed{8}$$



★ PROPERTIES OF SUBTRACTION:

⇒ By subtracting 1 from a given number, we get its previous number [predecessor]

Example: $\boxed{15 - 1 = 14}$

⇒ Subtracting zero from any number. The difference is the number itself

Example: $\boxed{10 - 0 = 10}$

⇒ When a number is subtracted from itself, the difference is zero

Example: $\boxed{25 - 25 = 0}$

★ Subtracting 2-digit numbers [without borrowing]

IV Find the difference:

$$\begin{array}{r} a) \quad \begin{array}{r} T \quad O \\ 7 \quad 3 \\ - 2 \quad 0 \\ \hline 5 \quad 3 \end{array} \end{array}$$

$$\begin{array}{r} b) \quad \begin{array}{r} T \quad O \\ 4 \quad 9 \\ - 2 \quad 1 \\ \hline 2 \quad 8 \end{array} \end{array}$$

V Fill in the boxes:

$$a) 71 - \boxed{0} = \boxed{71}$$

$$b) 28 - \boxed{28} = 0$$

$$c) \boxed{33} - 1 = 32$$

★ Subtracting 2-digit numbers [with borrowing]:

VI Find the difference:

a) T O

$$\begin{array}{r} 415 \\ \cancel{5} \cancel{5} \\ - 28 \\ \hline 27 \end{array}$$

b) T O

$$\begin{array}{r} 510 \\ \cancel{6} \cancel{0} \\ - 24 \\ \hline 26 \end{array}$$

★ Subtracting 3-digit numbers [without borrowing]:

VII Find the difference:

a) H T O

$$\begin{array}{r} 475 \\ - 132 \\ \hline 343 \end{array}$$

b) H T O

$$\begin{array}{r} 856 \\ - 403 \\ \hline 453 \end{array}$$

★ Subtracting 3-digit numbers [with borrowing]

VIII find the difference:

a) H T O

$$\begin{array}{r}
 390 \\
 400 \\
 -245 \\
 \hline
 155
 \end{array}$$

b) H T O

$$\begin{array}{r}
 312 \\
 842 \\
 -325 \\
 \hline
 517
 \end{array}$$

IX Subtract:

a) H T O

$$\begin{array}{r}
 350 \\
 238 \\
 -238 \\
 \hline
 128
 \end{array}
 \rightarrow \boxed{3} \text{ hundreds} + \boxed{5} \text{ tens} + \boxed{0} \text{ ones}$$

$$\begin{array}{r}
 238 \\
 128 \\
 -128 \\
 \hline
 110
 \end{array}
 \rightarrow \boxed{2} \text{ hundreds} + \boxed{3} \text{ tens} + \boxed{8} \text{ ones}$$

$$\underline{1 \text{ hundred} + 2 \text{ tens} + 8 \text{ ones}}$$

★ Relation between addition and subtraction:

X Fill in the blanks:

a) $60 + 15 = 75 \Rightarrow 75 - 15 = 60$

b) $32 + 8 = 40 \Rightarrow 40 - 8 = 32$

XI Solve the word problems:

- a) There were 74 birds in a tree. 21 birds flew away. How many birds are left?

OP: -

$$\text{Number of birds in the tree} = \begin{array}{r} 74 \\ 10 \end{array}$$

$$\text{Number of birds that flew away} = \begin{array}{r} 21 \\ \ominus \end{array}$$

$$\text{Number of birds left} = \underline{\underline{53}}$$

Ans: 53 birds are left.

- b) A fruitseller had 465 apples. He sold 125 apples out of them. How many apples are left?

OP: -

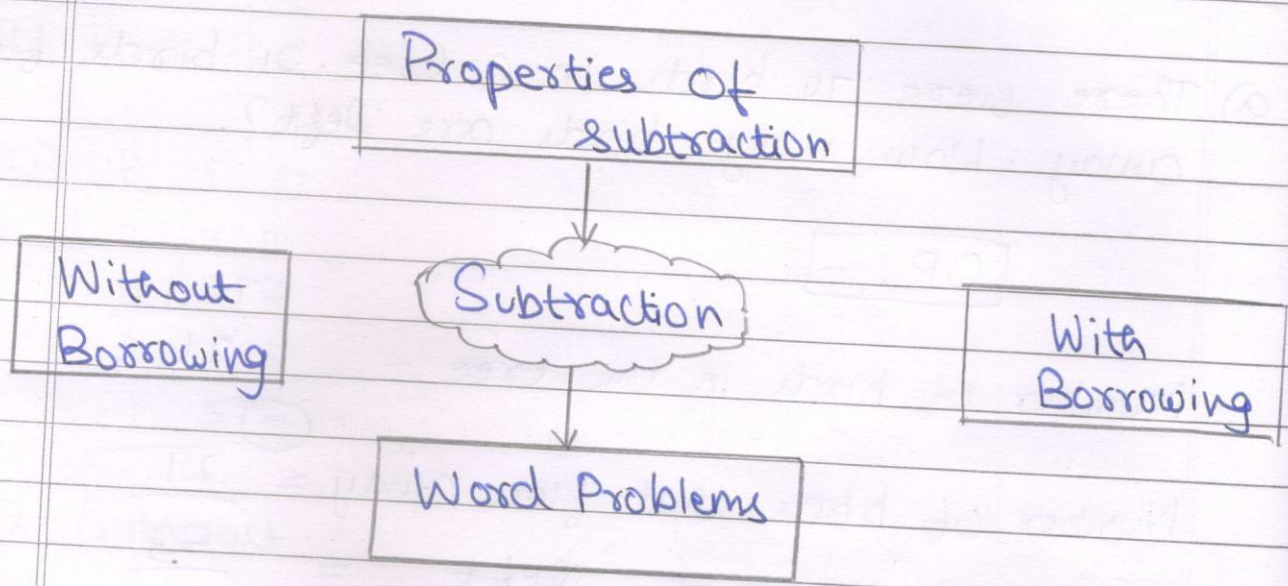
$$\text{No. of apples the fruit seller had} = 465$$

$$\text{No. of apples sold} = \begin{array}{r} 125 \\ \ominus \end{array}$$

$$\text{No. of apples left} = \underline{\underline{340}}$$

Ans: 340 apples are left.

XII Mind Map:



K. Kartiga
30/6/21