



G3.18 | ADDITION WORD PROBLEMS (3-DIGIT NUMBERS)

Number Operations Concepts - NCERT Chapter 3: Give and Take (sum upto 999)

Students will solve one-step word problems involving addition of 3-digit numbers

40- 50 min

PRE REQUISITES:

G3.17 Know how to add 3-digit numbers

TLM

None

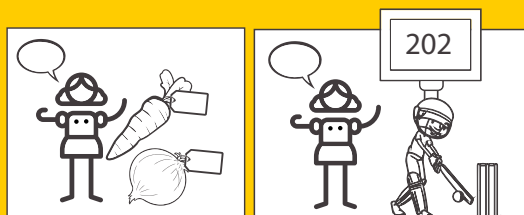
MISCONCEPTIONS

Students know how to add but do not know when to add

KEY VOCABULARY

None

PLAY



Real life examples of addition

○ Show the two textbooks. Tell each has 50 pages. If the two books are bound together the total no. of pages are $50+50=100$

○ Ask students if they know of other situations where they have to add 2 or more no.s

○ Encourage each student to think of at least one such situation

○ Provide examples like "runs are added when a player scores a six in a cricket game"

○ Prices of different vegetables are added to know the total bill- to help students think of other examples

PROCESS



H	T	O
1	2	9
2	2	1

Writing word problems as no. sentences

○ Narrate & write on the board, "A Junaid has arranged 129 tomatoes & 221 bitter gourd in his basket to sell in the market"

○ How many vegetables does he have in all? Underline "129 tomatoes" & "221 bitter gourd"

○ Tell the students that the no. of tomatoes & bitter gourd is given. Underline "how many vegetables does he have in all"

○ Tell the students that they should add the two vegetables to get the total no. of vegetables

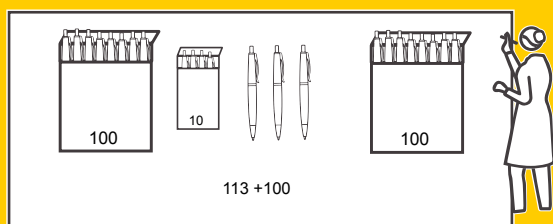
○ Write $129 + 221$. Draw 3 columns & mark them as Hundreds, Tens & Ones. Write 129 & 221 in the columns as shown

○ Remind students that they must begin adding from the Ones column. They must then add the no.s in the Tens column

○ Add no.s in the Hundreds column. Explain if sum of no.s in any column is 10 or more then Tens digit gets carried forward

○ Tens digit has to be carried forward to the next column

PRACTICE



Write the question on the black board & help the student

○ Help students solve question 4 from the worksheet. Ask students to read the question & solve. "Nanda bought a pack of 100 pens, a pack of 10 pens & 3 loose pens to sell at his shop. Nathu bought a packet of 100 pens. How many pens do they have in all?"

QUESTION: Should you add the total no. of pens or should you subtract? How do you know?

Emphasize that situations where objects are put together, or added to a collection, or increased represent addition problems

○ Ensure that the students write the correct no.s in Hundreds, Tens, and Ones columns. Emphasize that one packet of 100 should be represented by writing 1 in the hundreds column

○ Help the students solve question 4 from the worksheet. Ask the students to read the question and solve. "A man plucked 176 mangoes from one tree and 110 mangoes from another tree. Find the total no. of mangoes plucked."



G3.18 | ADDITION WORD PROBLEMS (3 DIGIT NUMBERS)

WORKSHEET: NUMBER OPERATIONS CONCEPTS - NCERT CHAPTER 3: GIVE AND TAKE (SUM UPTO 999)

- ① SOLVED EXAMPLE : Manshi traveled 174 Km in a car and then 89 Km in a bus. How many total Kilometers did she travel in all?



$$174 + 89$$

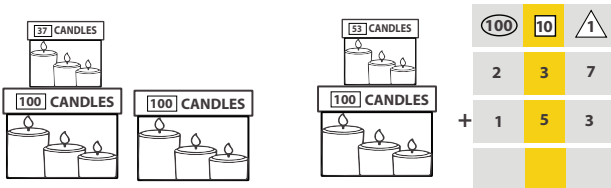
Ans. :
263 Km

	H	T	O
	1	7	4
+		8	9
=	2	6	3

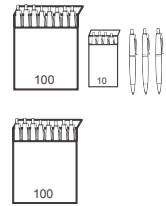
- ② Kujur traveled 291 Km by a car and 19 Km by a bus. How many total Kilometers did he travel in all ?



- ③ There were 237 candles in a warehouse. 153 more candles were produced and brought to the warehouse. How many candles are there at the warehouse now?

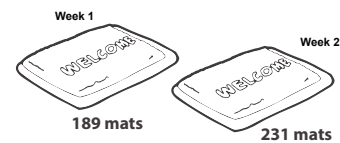


- ④ Nanda bought a pack of 100 pens, a pack of 10 pens and 3 loose pens to sell at his shop. His friend Nathu bought a packet of 100 pens. How many pens do they have in all now?



- ⑤ A man plucked 176 mangoes from one tree and 110 mangoes from another tree. Find the total no. of mangoes plucked.

- ⑥ Prasad made 189 door mats in one week and 231 door mats in the next week. How many door mats are there in all?



If Prasad makes 200 mats in week 1 and 300 mats in week 2. Can you mentally calculate how many mats would he have?