



G3.25 | QUICK SUBTRACTION USING CHUNKING

Number Operations Concepts - NCERT Chapter 6: Fun with Give and Take (sum upto 999)

Students will be able to solve subtraction problems using chunking method

40- 50 min

PRE REQUISITES:

G3.16 Know how to add numbers by chunking

TLM

30

Number strips

MISCONCEPTIONS

None

KEY VOCABULARY

None



PLAY

53

25

?

Less than 50
More than 25

Estimating difference between 2 numbers

○ Prepare sets of slips as shown. Ones slips should be approximately one tenth the length of Tens slips

○ Show 53 using the 5 Tens and 3 Ones slips. Below this, place 2 slips of Tens and 5 slips of Ones

○ Ask students how many more slips will be required to get 53

○ Encourage the students to estimate before calculating the correct answer

○ Repeat with other numbers



PROCESS

56 - 37
= 56-30-7
= 26-7
= 19

56 - 37 = [?]

37 10 47 10 56 57 1



Finding the difference by skipping by 10s and ones

○ Write 56- 37 on the board

○ Tell the students they can find the difference between the two numbers by starting with the smaller number

○ Next students need to hop forwards or backwards to reach the bigger number

○ Start at 37 and skip forward by 10s to reach 57

○ Tell the students that going back one from 57 will get you to 56

○ Explain that we can find out the difference between 56 and 37 by counting the hops

○ Forward hops are added and backward hops are subtracted

○ Write 10+10 - 1= 19. Tell students that 56-37 is 19. Demonstrate the steps again using other examples



PRACTICE

79 - 54
= 79 - 50 - 4
= 29 - 4
= 25



Write the question on the black board and ask the students to solve

○ Help the students solve question 3 from the worksheet. Ask the students to subtract 54 from 79

○ Explain that even without counting all the hops ,they can tell that the difference between 79 and 54 is more than 20 because it takes 2 hops of 10 each from 54 to reach 74

○ Tell the students that counting by 10s can give us an estimate of the difference between two numbers

○ Help the students solve question 4 from the worksheet. Ask the students to look at the skip counting and find the difference between 60 and 45

B. 60 - 45 =?

45 5 50 10 60

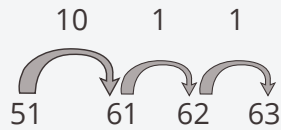


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WORKSHEET: NUMBER OPERATIONS CONCEPTS - NCERT CHAPTER 6: FUN WITH GIVE AND TAKE (SUM UPTO 999)

- ① SOLVED EXAMPLE : Find the difference between 63 and 51

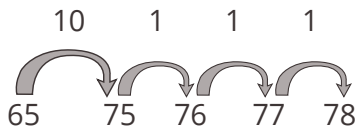
$$63 - 51$$



$$10 + 1 + 1 = 12$$

Ans : 12

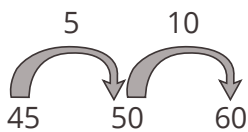
- ② Count the hops to find out how much is $78 - 65$



- ③ Find the difference between 54 and 77

- ④ Estimate the difference between 60 and 45 and then calculate it

$$60 - 45$$



- ⑤ Estimate the difference

Column 1	Column 2
23-15	More than 10
57-25	Less than 10
27+32	More than 20
83-30	More than 50



Mantoo bought some peanuts. If he fed 65 peanuts to a pack of monkeys. He now has 12 peanuts. Can you tell how many peanuts did he buy?

$$\underline{\quad} - 65 = 12$$