



Students will be able to use multiplication tables in solving simple problems

40- 50 min

PRE REQUISITES:

G3.28 Know how to solve word problems involving one-digit numbers

TLM

None

MISCONCEPTIONS

Students might not understand the commutative property of multiplication

KEY VOCABULARY

None

PLAY



How many times will the sound echo?

Ask students if they have ever heard their voice echo. Tell when sound echoes we hear the same word multiple times

Tell that you will play a game of echo. 5 students should repeat the sound you make so that it sounds like an echo

Say "hello" once & ask any 5 students to repeat the word, one after the other

QUESTION: How many times did we hear the word "hello" in all?

Say hello twice & ask 5 students to also say the word twice each, one after the other

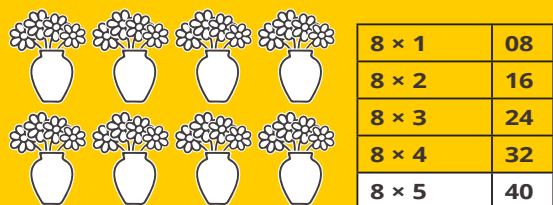
QUESTION: How many times did we hear "hello" in all this time?

Repeat the activity with different no. of students

Allow them to use any strategy of their choice to find the total no. of times they heard the words

Tell that 5×1 can represent 5 people saying "hello", 5×2 for 5 people saying "hello-hello & so on"

PROCESS



Problem solving using multiplication tables

Draw a vase with 4 flowers. Ask the students if there are 8 such vases, how many total flowers will be there

Tell the students that 8 vases with 4 flowers each can be written as 8×4
Point to table of 8 & circle $8 \times 4 = 32$

Tell the students that there will be 32 flowers in all if 8 vases have 4 flowers each

Tell & write on the board, "Riya saves Rs.7 each day, for 5 days." How much will she save in all?

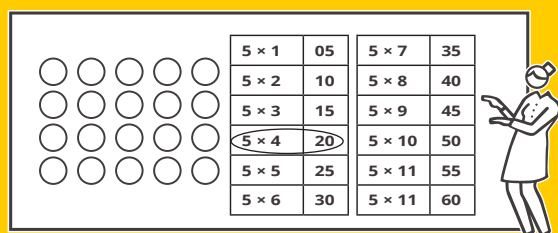
Write Rs.7 saved for 5 days = 7×5 . Point to the correct multiplication statement on the table of 7

Explain Riya will save Rs.35. Tell an alternative way to write the no. sentence eg. "For 5 days Riya saved Rs.7 each = 5×7 "

Point to the correct multiplication statement in the table of 5 & write $5 \times 7 = 35$

Emphasize that 7×5 is the same as 5×7

PRACTICE

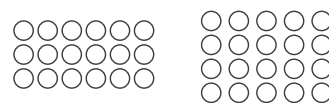


Write the question on the black board & help the students solve

Help the students solve questions 3a & 3b from the worksheet. Narrate the question & ask the students to write the number sentence. "There are 4 groups and 5 beads each. How many beads are there in all?"

Students are likely to continue using the forward counting method to count the total number of beads in the picture. Allow them to use their strategy at first, then later ask them to cross-check their answer by writing multiplication facts

Emphasize that finding out the solution by recalling multiplication fact is quicker than counting each bead



Help the students solve question 5a from the worksheet. Ask the students to Look at the image of the balloons & tell if there were 5 such bunches, how many balloons would be there in all?



- ① SOLVED EXAMPLE : See the pictures & tell how many total wheels will be there

Image of vehicle	No. of wheels in one vehicle	Number of vehicles	Total no. of wheels
	8	2	
	3	7	21 
	6	2	
	4	2	

- ② Complete the number sentences :

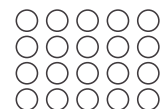
- a. 6 apples each in 9 baskets: $6 \times \underline{\quad} = \underline{\quad}$
 b. 7 flowers each in 3 vases: $3 \times \underline{\quad} = \underline{\quad}$
 c. 9 coins each in 4 bowls: $4 \times \underline{\quad} = \underline{\quad}$

- ③ Use multiplication tables of 5 & 6 to find the answers:

- a. There are 3 groups of 6 beads each. How many beads are there?



- b. There are 4 groups of 5 beads each. How many beads are there?



- ④ If each toffee is for Rs 2. What will be the cost of 3 toffees?

- a.



- b. What would be the cost if you buy 8 toffees?

- ⑤ If there were 5 such bunches, how many balloons would be there in all?

- a.



- b. If there are 8 bunches of 5 balloons each. How many balloons will be there? Will it be the same as 5 bunches of 8 balloons each?

- ⑥ Match the Multiplication sentences that give the same answer

10X1	2X4
5X8	1X10
4X2	3X9
9X3	8X5



Nungshi's mother makes 4 dumplings in one minute. Can you tell how many minutes it would have taken her to make the 36 dumplings?

If there are 8 bunches of 5 balloons each. How many balloons will be there? Will it be the same as 5 bunches of 8 balloons each?