

Students will be able to construct multiplication tables of 5 & 10

40- 50 min

PRE REQUISITES:

3.28 Know how to solve simple multiplication facts

TLM



25 Counters/marbles: 4 students

5 pieces of paper: 4 students

MISCONCEPTIONS

None



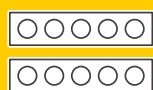
KEY VOCABULARY

Multiplication tables

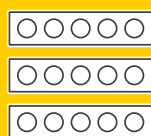
PLAY



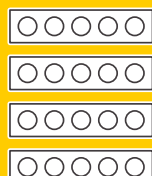
$$5 \times 1 = 5$$



$$5 \times 2 = 10$$



$$5 \times 3 = 15$$



$$5 \times 4 = 20$$

Finding multiplication facts of a number

Divide students in groups of 4. Divide 25 marbles/counters to each group. Tell one plate of golgappas (water balls) has 5

Ask the students to show one plate of golgappas by keeping 5 marbles on a piece of paper

Next, ask the students to show 2 plates of golgappas

QUESTION

How many golgappas are there in the two plates?

Next, ask students to show 3 plates of golgappas & count the total number of golgappas

Ask the students to keep a record of how many golgappas are there in 1, 2, 3, 4, & 5 plates. Continue upto 5 plates.

Summarize that one plate has 5, 2 plates have 10, 3 plates have 15, 4 plates have 20, 5 plates have 25 golgappas

PROCESS

1 x 5 = 5
2 x 5 = 10
3 x 5 = 15
4 x 5 = 20
5 x 5 = 25
6 x 5 = 30
7 x 5 = 35
8 x 5 = 40
9 x 5 = 45
10 x 5 = 50
11 x 5 = 55
12 x 5 = 60



Tables of 5 & 10

Keep a set of 5 marbles. Ask students how many marbles are there. Tell them there is one set of 5 marbles

Write on the board "1 x 5 = 5". Now keep another set of 5 marbles. Ask students how many marbles are there

Tell how there are two sets of 5 marbles. Write on the board "2 x 5 = 10". Continue this & keep writing the tables of 5

Stop when you reach 10 sets of 5 marbles. Write on the board "10 x 5 = 50". Repeat for tables of 10

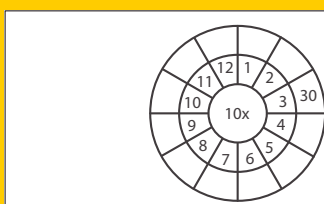
Write tables 10. Start with one group of 10 marbles & stop when you reach 10 sets of 10 marbles

Point to the tables & explain that tables help us count the total number of objects quicker

Tell that next time to find out 5 times 7, instead of adding 7 five times, they can look at multiplication table of 5

Multiplication table of 5 gives 5 x 7 = 35. Make students recite the tables at least twice

PRACTICE



Write the question on the blackboard & ask the students to solve

Help the students solve question 2 from the worksheet. Ask the students to fill in the blanks by looking at the table of 10s

Help the students solve question 3 from the worksheet. Ask the students to look at the picture & write the table 5s

$$1 \times 5 = \square$$



$$2 \times 5 = \square$$



$$3 \times 5 = \square$$



$$4 \times 5 = \square$$



QUESTION

Look at tables of 5 & 10 carefully. Do you see any pattern?

Emphasize that all products in the table of 10s end with 0 & the products in tables of 5s end with either a 0 or 5



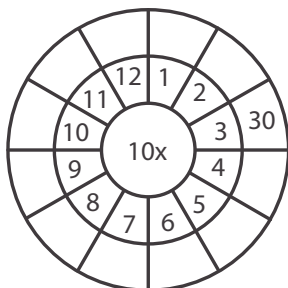
- ① SOLVED EXAMPLE : Look at the pictures & fill in the blanks.

$$\begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} \begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} = \underline{5} \times \underline{2} = 10$$

$$\begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} \begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} \begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$$

$$\begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} \begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} \begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} \begin{array}{|c|c|} \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \cdot & \cdot \\ \hline \end{array} = \underline{\quad} \times \underline{\quad} = \underline{\quad}$$

- ② Look at the multiplication table of 10s & fill in this wheel.



- ③ Look at the pictures & write the table of 5.

$$1 \times 5 = \square$$



$$2 \times 5 = \square$$



$$3 \times 5 = \square$$



$$4 \times 5 = \square$$



- ④ Complete the table of 5 by filling in the blanks

$$\begin{array}{l} \square \times 5 = 5 \\ 2 \times 5 = 10 \\ 3 \times 5 = 15 \\ \square \times 5 = 20 \\ 5 \times 5 = \square \\ 6 \times \square = 30 \\ \square \times 5 = \square \end{array}$$

- ⑤ Complete the table of 10 by filling in the blanks

$$\begin{array}{l} 10 \times 1 = 10 \\ 10 \times 2 = 20 \\ 10 \times \square = 30 \\ 10 \times 4 = \square \\ 10 \times 5 = 50 \\ 10 \times 6 = \square \end{array}$$



There are 7 boats with 10 people each. Which multiplication table will you use to find out the total number of people on 7 boats?
Table of 5s or table of 10s?