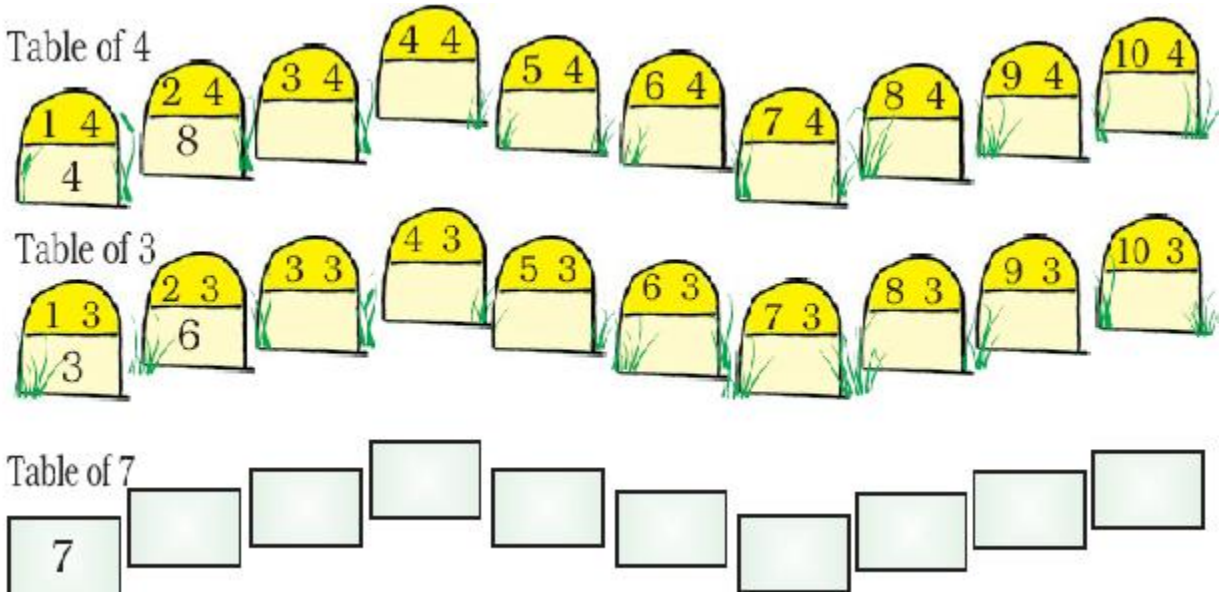
पुष्ना International School
Shree Swaminarayan Gurukul, Zundal

Specimen Copy
November 2020-2021
GRADE - IV

CH-11
Tables and shares

❖Summary:

- **Important fact about multiples**
- **Multiplication**
- **Division**
- **Divide and answer**
- **Word problems.**



- **Multiples**

  Product of two given numbers is called multiples. Multiple is the result of multiplying any number with other numbers like 1, 2, 3, 4 etc.

  Example:

  Multiple of 2 - 2, 4, 6, 8, 10, 12 and so on……

  Multiple of 3 – 3, 6, 9, 12, 15, 18, 21, and so on…..

- **Important fact about multiples**

  1. A number can have unlimited multiples

     Example: Multiple of 5 are 5, 10, 15, 20, 25 . . . . . .

  2. Every number is multiple of itself.

     Example: 8 is multiple of itself as 8x1 = 8

  3. Every number is multiple of 1.

     Example: 9 x 1 = 9

  4. All multiple is either equal to or greater than the given number.

     Example: 8 x 1 = 8

     8 x 2 = 16

     8 and 16 ≥ 8

5. Multiple of given two numbers are exactly divisible by the two-given number.

Example: 3 x 11 = 33

(Multiple 33 is divisible exactly by 3 as well as 11)

❖ MULTIPLICATION:-

9 × 2 =	18	4 × 6 =	24
3 × 0 =	0	1 × 6 =	6
9 × 9 =	81	0 × 5 =	5

- **There are 8 packets of *Rakhis*. Each packet has 6 *Rakhis* in it. So how many total Rakhis are altogether?**

Answer: - How many boxes are there = 8 boxes

How many Rakhis are there in each box = 6 rakhis

= 6 + 6 + 6 + 6 + 6 + 6 + 6 + 6

= 8 times 6 = 8 X 6 = 48

= Total 48 Rakhis are altogether in boxes.

- **There are 10 packets of sugar. Saurabh paid 11 rupees for one packet. So how much money need to pay for 10 packets of Sugar together?**

Answer: - How many packets of Sugar = 10 Packets
How much money for one packet = 11 Rupees

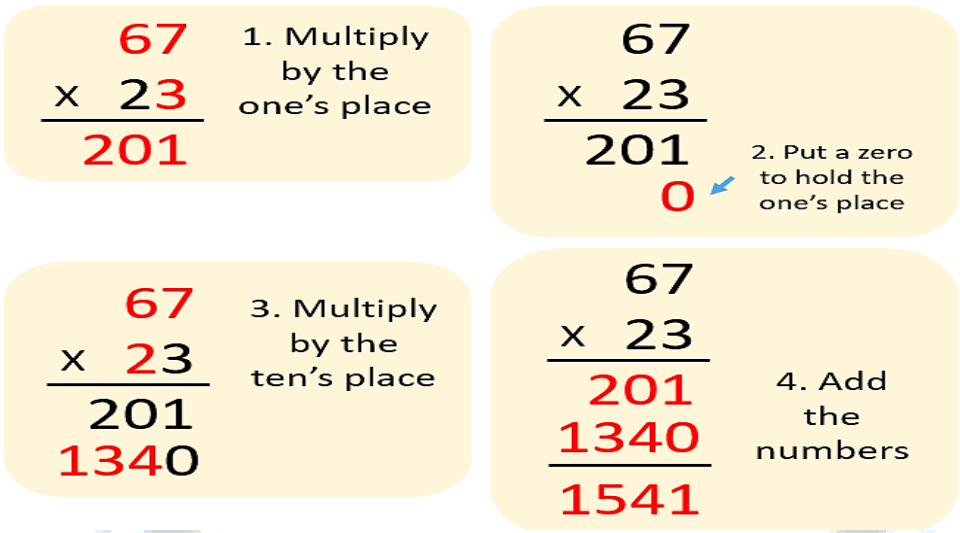
= 11 + 11 + 11 + 11 + 11 + 11 + 11 + 11 + 11 + 11

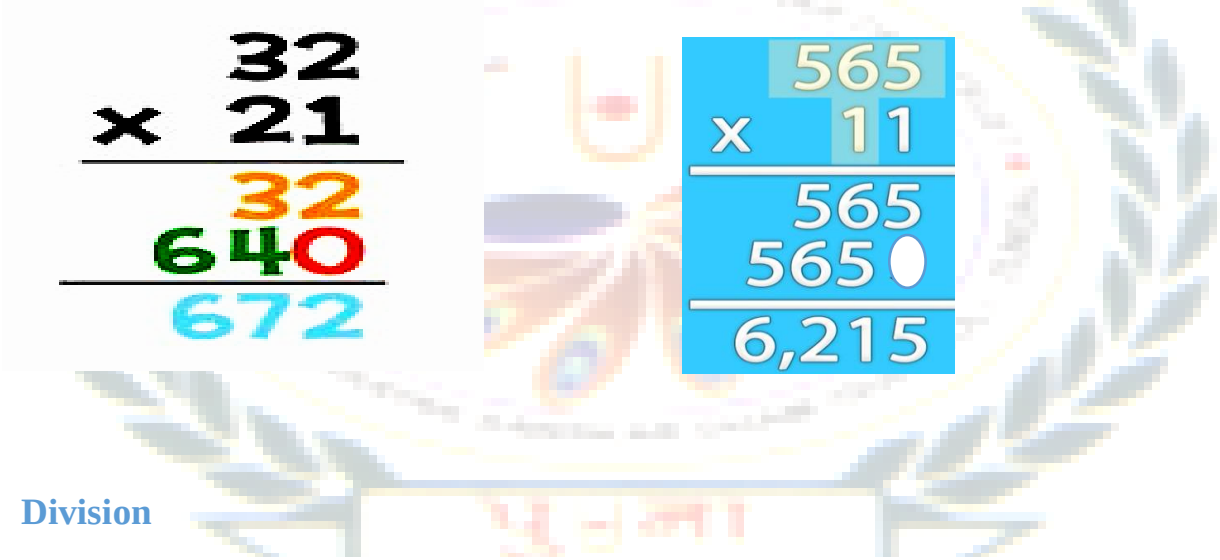
= 10 times 11 = 10 X 11 = 110

= Total 110 rupees need to pay for 10 packets of Sugar.

❖ **Multiplication**

$$\begin{array}{r} 53 \\ \times\ 2 \\ \hline 106 \end{array} \qquad \begin{array}{r} 42 \\ \times\ 2 \\ \hline 84 \end{array} \qquad \begin{array}{r} 221 \\ \times\ 2 \\ \hline 442 \end{array}$$





- **Division**

The division is a method of distributing a group of things into equal parts

If 3 groups of 4 make 12 in multiplication; 12 divided into 3 equal groups give 4 in each group in division.

- **Leela has not gone to school for 21 days. For how many weeks was she away from school?**

  Answer:

  Number of days in one week = 7

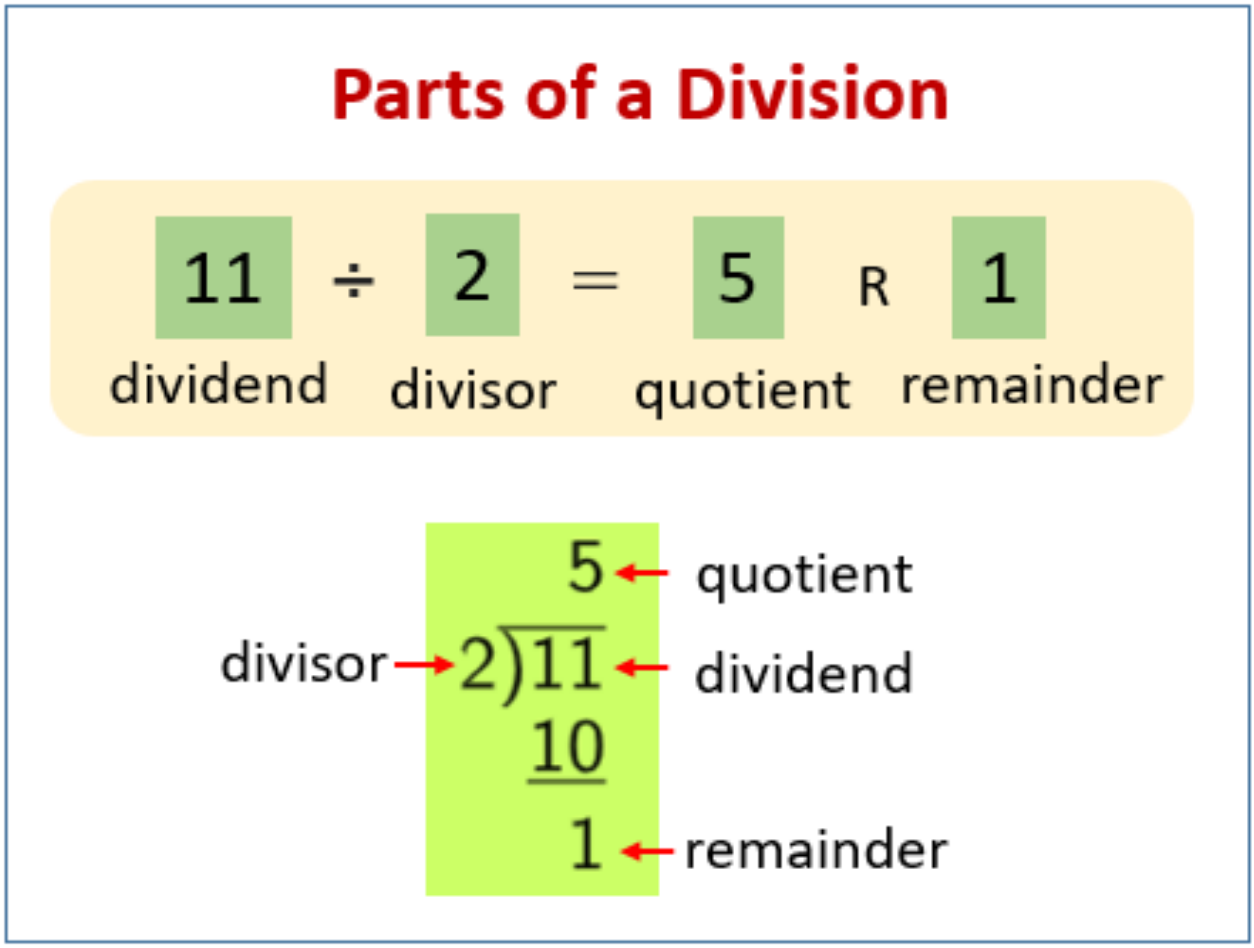
  Leela has not gone to school for 21 days. Number of weeks in 7 days = 1

  Number of weeks in 21 days = 21 ÷ 7 = 3

  Working:

$$
\begin{array}{r}
3 \\
7\overline{)21} \\
-21 \\
\hline
0 \\
\hline
\end{array}
$$

  Thus, Leela was away from school for 3 weeks.



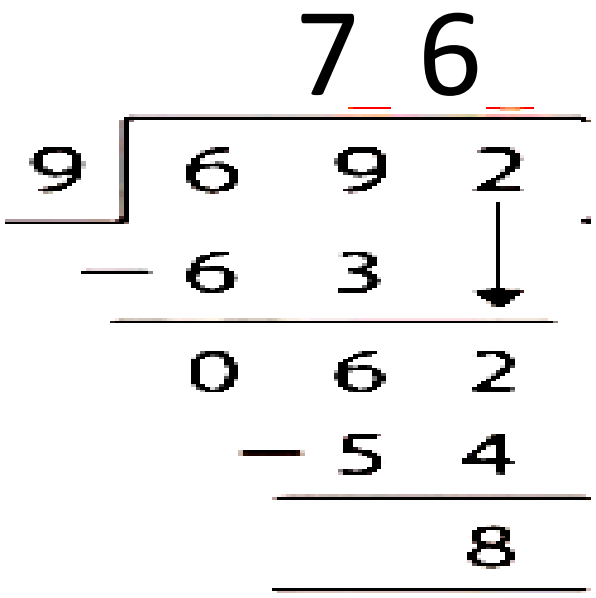
- **Divide and answer [2 digit]**

(1) 28 ÷ 2 (2) 56 ÷ 7 (3) 48 ÷ 4 (4) 66 ÷ 6 (5) 96 ÷ 8

$$\begin{array}{r} 14 \\ 2\overline{)28} \\ -2 \\ \hline 08 \\ -8 \\ \hline 0 \end{array} \qquad \begin{array}{r} 8 \\ 7\overline{)56} \\ -56 \\ \hline 0 \end{array} \qquad \begin{array}{r} 12 \\ 4\overline{)48} \\ -4 \\ \hline 08 \\ -8 \\ \hline 0 \end{array} \qquad \begin{array}{r} 11 \\ 6\overline{)66} \\ -6 \\ \hline 06 \\ -6 \\ \hline 0 \end{array} \qquad \begin{array}{r} 12 \\ 8\overline{)96} \\ -8 \\ \hline 16 \\ -16 \\ \hline 0 \end{array}$$

- **Divide and answer [3 digit]**

$$\begin{array}{r} 123 \\ 6\overline{)738} \\ 6 \\ \hline 13 \\ 12 \\ \hline 18 \\ 18 \\ \hline 0 \end{array} \qquad \begin{array}{r} 274 \\ 3\overline{)822} \\ -6 \\ \hline 22 \\ -21 \\ \hline 12 \\ -12 \\ \hline 0 \end{array}$$



- **Word problems.**

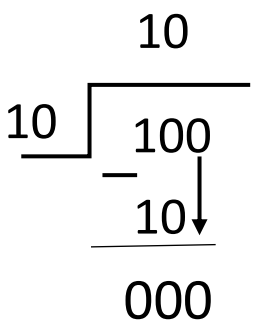
1. Kanu made a necklace of 10 sea-shells. How many such necklaces can be made using 100 sea-shells?

ANSWER

A necklace made of sea-shells = 10

Necklaces can be made using 100 sea shells = 100 ÷ 10

= 10 necklaces



2. One carton can hold 85 soap bars. Shally has 18 cartons. How many soap bars does she need for packing all of them?

ANSWER

A carton can hold soap bars = 85

Soap bars needed for packing in 18 cartons = 85 × 18

= 1530 soap bars.