

Class: 3

Subject: Mathematics

Prepared by Shameema Akhtar

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Chapter: Multiplication

Lecture -2 notes

The multiplication of whole numbers may be thought as a repeated addition

At the end of the chapter, we will be able to.

- Multiply two digit number to one digit number.
- Multiply three digit number to one digit number.

Instructions:

- ✓ Read your book properly
- ✓ Recite times table every day'
- ✓ To solve calculation quickly you have to memorize times table without any short – cut method.

Part- 1

Multiplication of two digit number to one digit number (not carrying)

line up vertically

$$\begin{array}{r} 23 \\ \times 3 \\ \hline \end{array}$$



multiply ones with

$$\begin{array}{r} 3 \\ 3 \times 3 = 3 \end{array}$$



write answer in ones

$$\begin{array}{r} 23 \\ \times 3 \\ \hline 9 \end{array}$$



multiply tens with

$$\begin{array}{r} 2 \\ 2 \times 3 = 6 \end{array}$$



write answer in tens

$$\begin{array}{r} 23 \\ \times 3 \\ \hline 69 \end{array}$$

Assess your learning

Solve from book exercise page 50



2. Let us multiply

(1) $30 \times 3 =$

(2) $20 \times 4 =$

(3) $34 \times 2 =$

(4) $24 \times 2 =$

(5)
$$\begin{array}{r} 10 \\ \times 8 \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 30 \\ \times 2 \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 20 \\ \times 3 \\ \hline \end{array}$$

(8)
$$\begin{array}{r} 12 \\ \times 4 \\ \hline \end{array}$$

(9)
$$\begin{array}{r} 21 \\ \times 4 \\ \hline \end{array}$$

(10)
$$\begin{array}{r} 32 \\ \times 3 \\ \hline \end{array}$$

Part- 2

Multiplication of two digit number to one digit number (carrying).

line up vertically

$$\begin{array}{r} 24 \\ \times 3 \\ \hline \end{array}$$



multiply ones with

$$\begin{array}{r} 3 \\ 4 \times 3 = 12 \end{array}$$



write answer in ones 2 and carry 1.

$$\begin{array}{r} 23 \\ \times 3 \\ \hline 2 \end{array}$$



multiply tens with 3

$$2 \times 3 = 6$$

and add carrying number

$$6 + 1 = 7$$



write answer in tens

$$\begin{array}{r} 23 \\ \times 3 \\ \hline 79 \end{array}$$

Assess your learning

Solve from book exercise page 51

(1) $18 \times 5 =$

(2) $36 \times 3 =$

(3) $49 \times 2 =$

(4) $25 \times 4 =$

(5)
$$\begin{array}{r} 24 \\ \times 4 \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 48 \\ \times 2 \\ \hline \end{array}$$

Part- 3

Multiplication of three digit number to one digit number

line up vertically

$$\begin{array}{r} 624 \\ \times 3 \\ \hline \end{array}$$



multiply ones with

$$4 \times 3 = 12$$



write answer on ones
and carry 1

$$\begin{array}{r} 624 \\ \times 3 \\ \hline 2 \end{array}$$



multiply tens with 3 and carrying 1

$$\begin{array}{r} 2 \times 3 = 6 \\ 6 + 1 = 7 \end{array}$$



write answer on tens

$$\begin{array}{r} 624 \\ \times 3 \\ \hline 79 \end{array}$$



multiply hundreds with

$$\begin{array}{r} 3 \\ 6 \times 3 = 18 \end{array}$$



write answer on hundred

$$\begin{array}{r} 624 \\ \times 3 \\ \hline 1872 \end{array}$$

Assess your learning

Solve from book exercise page 54



Let us multiply

(1) $174 \times 6 =$

(2) $259 \times 3 =$

(3) $683 \times 4 =$

(4) $485 \times 8 =$

(5)
$$\begin{array}{r} 270 \\ \times 5 \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 836 \\ \times 4 \\ \hline \end{array}$$

(7)
$$\begin{array}{r} 189 \\ \times 9 \\ \hline \end{array}$$