

TENDER HEART HIGH SCHOOL, SEC-33B, CHD.

Class: III

Topic: Multiplication

Sub: Mathematics

Date: 29.07.2024

Good Morning students

This is the notebook work of ch-4- Multiplication from your book 'Be A Maths star' and is being submitted to you on 29.07.2024.

Ch-4

Multiplication

Multiplication properties

- Numbers that are multiplied are called factors. The result of multiplication is their product.

$$\begin{array}{ccc} 5 \times 4 = 20 \\ \text{factors} & & \text{product} \end{array}$$

- Numbers can be multiplied in any order. Their product will remain the same.

$$5 \times 3 = 3 \times 5 = 15$$

- When a number is multiplied by 1, the product is the number itself.

$$7 \times 1 = 7$$

- When a number is multiplied by 0, the product is always 0.

$$0 \times 7 = 0$$

Multiplying a 2-digit number by a 1-digit number.

Example 1 Multiply 11 by 7

Step 1. Multiply the digit in the ones place by 7.

Step 2. Multiply the digit in the tens place by 7.

$$\begin{array}{r} 11 \\ \times 7 \\ \hline 77 \end{array} \quad \text{Ans } 77$$

Exercise 4.4 (pg - 65)

B. Write in columns and multiply

$$\begin{array}{r} 1) \quad 13 \\ \times 3 \\ \hline 39 \end{array}$$

$$\begin{array}{r} 2) \quad 21 \\ \times 4 \\ \hline 84 \end{array}$$

$$\begin{array}{r} 3) \quad 33 \\ \times 2 \\ \hline 66 \end{array}$$

$$\begin{array}{r} 4) \quad 10 \\ \times 9 \\ \hline 90 \end{array}$$

$$\begin{array}{r} 5) \quad 79 \\ \times 1 \\ \hline 79 \end{array}$$

$$\begin{array}{r} 6) \quad 31 \\ \times 3 \\ \hline 93 \end{array}$$

$$\begin{array}{r} 7) \quad 22 \\ \times 2 \\ \hline 44 \end{array}$$

$$\begin{array}{r} 8) \quad 43 \\ \times 2 \\ \hline 86 \end{array}$$

Regrouping ones and tens

Example: Multiply 33 by 9.

Step 1

$9 \times 3 \text{ ones} = 27 \text{ ones}$

Write 7 in the ones column

Carry 2 to the tens column

$$\begin{array}{r} \textcircled{2} \quad 0 \\ 3 \quad 3 \\ \times \quad 9 \\ \hline 27 \quad 7 \end{array}$$

Step 2

$9 \times 3 \text{ tens} = 27 \text{ tens} + 2 \text{ tens} = 29 \text{ tens}$

Write 9 in the tens column.

Write 2 in the hundreds column.

Exercise 4.5 (pg-67)

B. Write in columns and multiply

- | | | | |
|---|---|---|---|
| 1) $\begin{array}{r} 31 \\ \times 9 \\ \hline 279 \end{array}$ | 2) $\begin{array}{r} \textcircled{1} \\ 62 \\ \times 8 \\ \hline 496 \end{array}$ | 3) $\begin{array}{r} \textcircled{4} \\ 27 \\ \times 7 \\ \hline 189 \end{array}$ | 4) $\begin{array}{r} \textcircled{3} \\ 34 \\ \times 8 \\ \hline 272 \end{array}$ |
| 5) $\begin{array}{r} \textcircled{6} \\ 59 \\ \times 7 \\ \hline 413 \end{array}$ | 6) $\begin{array}{r} \textcircled{7} \\ 28 \\ \times 9 \\ \hline 252 \end{array}$ | 7) $\begin{array}{r} \textcircled{4} \\ 28 \\ \times 5 \\ \hline 140 \end{array}$ | 8) $\begin{array}{r} 60 \\ \times 6 \\ \hline 360 \end{array}$ |

Home assignment

- i) Complete page no. 58, 61, 62, 63, 64 and 65 in the book.
- ii) Do the above sent work in your notebook.