



STEPPING STONE
SCHOOL (HIGH)

CLASS : III

Subject : Mathematics

Date: 01-07-2020

Topic: Multiplication

Time Limit:30 minutes

Worksheet No. :24

PLEASE FOLLOW THE CHAPTER FROM YOUR TEXT BOOK AND THE ATTACHED NOTES. THEN WORK OUT THE EXERCISES NEATLY IN YOUR NOTEBOOKS HENCEFORTH. YOU WILL USE CHECKED COPY. IN THE FIRST PAGE OF YOUR NOTEBOOK, YOU MUST WRITE THE CONTENTS, USING THE FORMAT GIVEN BELOW. YOU MUST WRITE USING PENCIL. WRITE THE DATE AND WORKSHEET NUMBER AT THE TOP OF THE PAGE WHERE YOU START YOUR WORK. ENSURE NEAT AND TIDY WORK

DATE	WORKSHEET NO.	CONTENTS CHAPTER NO. AND NAME	PAGE NO.	TEACHER'S SIGNATURE
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	x			
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	x			

BOOK NAME :- Insight Mathematics,

PART 3

CHAPTER 3 :-Multiplication

Good Morning Children😊

Hope you all are fine!!

Today we are going to learn about **Multiplication, it's properties** and solve some problems .

1 3 2 -----> **Multiplicand**
X 3 -----> **Multiplier**

3 9 6 -----> **Product**

Properties Of Multiplication

1. When a number is multiplied by 0, the product is zero.

Example : $4 \times 0 = 0$ $23 \times 0 = 0$
 $323 \times 0 = 0$ $5431 \times 0 = 0$

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

Example : $3 \times 1 = 3$ $14 \times 1 = 14$
 $555 \times 1 = 555$ $2000 \times 1 = 2000$

3. When two or more numbers are multiplied , a change in the order of numbers to be multiplied does not change the product.

Example : $30 \times 40 = 1200$
 $40 \times 30 = 1200$

Multiplication by 1-digit numbers – without carrying :-

One is done for you

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Example : Multiply 3210 by 2

Explanation :-

#Step 1 : First multiply 0(the ones of multiplicand) with 2.

$$0 \times 2 = 0$$

Step 2 : Now , multiply 1(the tens of multiplicand) with 2.

$$1 \times 2 = 2$$

Step 3 : Then , multiply 2(the hundreds of multiplicand) with 2.

$$2 \times 2 = 4$$

Step 4 : Finally , multiply 3(the thousands of multiplicand) with 2.

$$3 \times 2 = 6$$

Thus , 3210

$$\begin{array}{r} 3210 \\ \times 2 \\ \hline \end{array}$$

$$6420$$

EXAMPLE 2 Multiply 14232 by 2.

Arrange the numbers as given.

TTh	Th	H	T	O
1	4	2	3	2
×				
2				
2	8	4	6	4

On multiplying the ones

On multiplying the tens

On multiplying the hundreds

On multiplying the thousands

On multiplying the ten thousands

Thus, $14232 \times 2 = 28464$.

YOU TRY IT!

Multiply

$$\begin{array}{r} 21322 \\ \times \quad 3 \\ \hline \end{array}$$

Now, Try to solve the following multiplications :

A. 1. **Th H T O**

$$\begin{array}{r} 2113 \\ \times 3 \\ \hline \end{array}$$

2. **Th H T O**

$$\begin{array}{r} 1023 \\ \times 2 \\ \hline \end{array}$$

3. **Th H T O**

$$\begin{array}{r} 3202 \\ \times 3 \\ \hline \end{array}$$

4. **TTh Th H T O**

$$\begin{array}{r} 12040 \\ \times 2 \\ \hline \end{array}$$

5. **TTh Th H T O**

$$\begin{array}{r} 32131 \\ \times 2 \\ \hline \end{array}$$

6. TTh Th H T O

$$\begin{array}{r} 20102 \\ \times \quad 4 \\ \hline \end{array}$$

Multiplication by 1-digit numbers – with carrying :-

One is done for you

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Example : Multiply 1513 X 4

#Step 1 : First multiply 3(the ones of multiplicand) with 4.

$3 \times 4 = 12$, put 2 in Ones place and here, carry is 1

Step 2 : Now, multiply 1(the tens of multiplicand) with 4 and add the product with the carry 1

$1 \times 4 = 4$ and $4 + 1 = 5$, put 5 in tens place

Step 3 : Then, multiply 5(the hundreds of multiplicand) with 4

$5 \times 4 = 20$, put 0 in Hundreds place and here, carry is 2

Step 4 : Finally, multiply 1(the thousands of multiplicand) with 4 and add the product with the carry 2. $1 \times 4 = 4$, $4 + 2 = 6$, put 6 in thousands place

$$\begin{array}{r} \text{Th H T O} \\ \overset{2}{2} \overset{1}{1} \overset{1}{5} \overset{1}{1} \overset{3}{3} \\ \times \quad 4 \\ \hline 6 \ 0 \ 5 \ 2 \end{array}$$

EXAMPLE 4 Multiply 13465 by 5.

Arrange the numbers as given.

TTh **Th** **H** **T** **O**

$$\begin{array}{r} \textcircled{1} \quad \textcircled{2} \quad \textcircled{3} \quad \textcircled{2} \\ 1 \quad 3 \quad 4 \quad 6 \quad 5 \\ \times 5 \\ \hline 6 \quad 7 \quad 3 \quad 2 \quad 5 \end{array}$$

- On multiplying the ones
- On multiplying the tens
- On multiplying the hundreds
- On multiplying the thousands
- On multiplying the ten thousands

Thus, $13465 \times 5 = 67325$.

YOU TRY IT!

Multiply

$$\begin{array}{r} 2 \quad 4 \quad 1 \quad 6 \quad 2 \\ \times 4 \\ \hline \end{array}$$

B. Now, Try to solve the following multiplications :

1. Th H T O

2 1 5 6

X 3

2. Th H T O

1 0 8 7

X 4

3. Th H T O

3 3 4 3

X 5

4. TTh Th H T O

3 0 6 2 8

X 3

5. TTh Th H T O

2 2 2 2 9

x 4

6. T T h T h H T O

1 0 6 1 5

X 2

C. Fill in the blanks :

One is done for you

a) $4 \times 2 \times 5 = \underline{8} \times 5 = \underline{40}$

b) $3 \times 5 \times 6 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

c) $2 \times 3 \times 8 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

d) $2 \times 3 \times 4 \times 5 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

e) $4 \times 5 \times 6 \times 7 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Tap on the underlined blue sentence below to watch the video content of Multiplication by 1-digit number without carrying :-

Multiplication by 1-digit numbers without carrying

Tap on the underlined blue sentence below to watch the video content of Multiplication by 1-digit number with carrying :-

Multiplication by 1-digit numbers with carrying

Remember to fill up the Contents page of your notebook everyday.

Thank you Children!!!

That's all for today