

Class Three Mathematics Lecture note

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Asst. Mathematics Teacher

Sunday, May 10, 2020



Chapter: Multiplication

Lecture -3 notes

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

Steps:

1

$$\begin{array}{r} 12 \\ \times 34 \\ \hline 8 \end{array}$$

Multiply ones digit of the top number by the ones of the bottom number.

2

$$\begin{array}{r} 12 \\ \times 34 \\ \hline 48 \end{array}$$

Multiply tens digit of the top number by the ones of the bottom number.

3

$$\begin{array}{r} 12 \\ \times 34 \\ \hline 48 \\ 0 \end{array}$$

Write a 0 below the ones digit as shown. We write 0 in ones place because we are going to multiply the digits of the top number by the tens digit of the bottom number.

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4

$$\begin{array}{r} 12 \\ \times 34 \\ \hline 48 \\ 60 \end{array}$$

Multiply ones digit of the top number by the tens of the bottom number.

5

$$\begin{array}{r} 12 \\ \times 34 \\ \hline 48 \\ 360 \end{array}$$

Multiply tens digit of the top number by the ones of the bottom number.

6

$$\begin{array}{r} 12 \\ \times 34 \\ \hline 48 \\ 360 \\ \hline 408 \end{array}$$

Add 48 and 360(last two lines)

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Assess your learning

Solve from book exercise page: 56



1. Do multiplication

(1) $12 \times 24 =$

(2) $50 \times 11 =$

(3) $31 \times 21 =$

(4)
$$\begin{array}{r} 32 \\ \times 12 \\ \hline \end{array}$$

(5)
$$\begin{array}{r} 30 \\ \times 23 \\ \hline \end{array}$$

(6)
$$\begin{array}{r} 41 \\ \times 23 \\ \hline \end{array}$$

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

Steps:

1

$$\begin{array}{r} 26 \\ \times 34 \\ \hline 104 \end{array}$$

Multiply the top number by the ones of the bottom number.

2

$$\begin{array}{r} 26 \\ \times 34 \\ \hline 104 \\ 0 \end{array}$$

Write a 0 below the ones digit as shown

3

$$\begin{array}{r} 26 \\ \times 34 \\ \hline 104 \\ 780 \end{array}$$

Multiply the top number by the tens of the bottom number.

4

$$\begin{array}{r} 26 \\ \times 34 \\ \hline 104 \\ 780 \\ \hline 884 \end{array}$$

Add 104 and 780 (last two lines)

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Assess your learning

Solve from book exercise page 57



2. Let us multiplication

(1) $50 \times 20 =$

(2) $18 \times 71 =$

(3) $63 \times 31 =$

(4) $39 \times 40 =$

(5) $74 \times 38 =$

(6) $24 \times 42 =$

(7) $79 \times 53 =$

(8) $84 \times 29 =$

(9) $93 \times 89 =$

(10)
$$\begin{array}{r} 20 \\ \times 80 \\ \hline \end{array}$$

(11)
$$\begin{array}{r} 17 \\ \times 68 \\ \hline \end{array}$$

(12)
$$\begin{array}{r} 91 \\ \times 25 \\ \hline \end{array}$$

(13)
$$\begin{array}{r} 57 \\ \times 19 \\ \hline \end{array}$$

(14)
$$\begin{array}{r} 47 \\ \times 26 \\ \hline \end{array}$$

(15)
$$\begin{array}{r} 37 \\ \times 73 \\ \hline \end{array}$$

(16)
$$\begin{array}{r} 98 \\ \times 62 \\ \hline \end{array}$$

(17)
$$\begin{array}{r} 47 \\ \times 89 \\ \hline \end{array}$$

(18)
$$\begin{array}{r} 99 \\ \times 48 \\ \hline \end{array}$$