

Welland Gouldsmith School
Mathematics
Class 4
Chapter 3- Multiplication
Answer key

Multiplication (horizontally):

1. $123 \times 3 = 369$
2. $714 \times 2 = 1428$
3. $523 \times 1 = 523$
4. $422 \times 4 = 1688$

II. Multiplication (with 10):

1. $63 \times 10 = 630$
2. $22 \times 10 = 220$
3. $89 \times 10 = 890$
4. $41 \times 10 = 410$

III. Multiplication (with 100):

1. $75 \times 100 = 7500$
2. $66 \times 100 = 6600$
3. $54 \times 100 = 5400$
4. $93 \times 100 = 9300$

IV. Multiply:

- | | |
|--|---|
| 1. $\begin{array}{r} 148 \\ \times 20 \\ \hline \end{array}$ | 2. $\begin{array}{r} 421 \\ \times 106 \\ \hline \end{array}$ |
|--|---|

$\begin{array}{r} 000 \\ + 2960 \\ \hline 2960 \\ \hline \end{array}$	$\begin{array}{r} 2526 \\ 0000 \\ + 42100 \\ \hline 44626 \\ \hline \end{array}$
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- | | |
|--|--|
| 3. $\begin{array}{r} 620 \\ \times 134 \\ \hline 2480 \\ 18600 \\ + 62000 \\ \hline 83080 \end{array}$ | 4. $\begin{array}{r} 113 \\ \times 79 \\ \hline 1017 \\ + 7910 \\ \hline 8927 \\ \hline \end{array}$ |
|--|--|

V. Word problem sums:

1.

Number of apples in a box = 336

Number of boxes = x 400

$$\begin{array}{r} \text{---} \\ 000 \\ 0000 \\ +134400 \\ \hline \end{array}$$

Total number of apples = 134400

Ans: There will be 134400 apples in 400 boxes.

2.

Number of books = 485

Amount for one book = x Rs. 48

$$\begin{array}{r} \text{---} \\ 3880 \\ +19400 \\ \hline \end{array}$$

Total amount for 485 books = 23280

Ans: The price for 485 books are Rs. 23280.

3.

Monthly fees for one student = Rs. 530

Number of students = x 142

$$\begin{array}{r} \text{---} \\ 1060 \\ 21200 \\ +53000 \\ \hline \end{array}$$

Total fees collected = 75260

Ans: Rs. 75260 is collected as monthly fees from that class.

4.

Number of farmers = 965

Number of sheep each farmer

had = x 334

$$\begin{array}{r}
 3860 \\
 28950 \\
 +289500 \\
 \hline
 \end{array}$$

$$\text{Total number of sheep} = \begin{array}{r} 322310 \\ \hline \end{array}$$

Ans: There are 322310 sheep in all .

Textbook Exercises:

Ex. 3.1 Find the product:

$$\begin{array}{r}
 1. \ 236 \\
 \times 4 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 944 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \ 308 \\
 \times 7 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 2156 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6. \ 1308 \\
 \times 6 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 7848 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8. \ 4653 \\
 \times 4 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 18612 \\
 \hline
 \end{array}$$

Ex. 3.2 Multiply horizontally to find the product:

$$1. \ 421 \times 3 = 1263$$

$$2. \ 610 \times 9 = 5490$$

$$3. \ 6051 \times 6 = 36306$$

$$4. \ 2039 \times 5 = 10195$$

Ex. 3.4 Find the product :

$$\begin{array}{r}
 1. \ 59 \\
 \times 17 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 413 \\
 +590 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 1003 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 4. \ 136 \\
 \times 49 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 1224 \\
 +5440 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 6664 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 8. \ 395 \\
 \times 64 \\
 \hline
 \end{array}$$

$$\begin{array}{r}
 12. \ 3087 \\
 \times 37 \\
 \hline
 \end{array}$$

$$\begin{array}{r} 1580 \\ + 23700 \\ \hline \end{array}$$

$$\hline 25280$$

$$\begin{array}{r} 21609 \\ + 92610 \\ \hline \end{array}$$

$$\hline 114219$$

Ex. 3.5 Find the product:

1. $\begin{array}{r} 223 \\ \times 137 \\ \hline \end{array}$

$$\begin{array}{r} 1561 \\ 6690 \\ + 22300 \\ \hline \end{array}$$

$$\hline 30551$$

6. $\begin{array}{r} 516 \\ \times 170 \\ \hline \end{array}$

$$\begin{array}{r} 000 \\ 36120 \\ + 51600 \\ \hline \end{array}$$

$$\hline 87720$$

8. $\begin{array}{r} 473 \\ \times 208 \\ \hline \end{array}$

$$\begin{array}{r} 3784 \\ 0000 \\ + 94600 \\ \hline \end{array}$$

$$\hline 98384$$

12. $\begin{array}{r} 318 \\ \times 207 \\ \hline \end{array}$

$$\begin{array}{r} 2226 \\ 0000 \\ + 63600 \\ \hline \end{array}$$

$$\hline 65826$$

13. $\begin{array}{r} 795 \\ \times 244 \\ \hline \end{array}$

$$\begin{array}{r} 3180 \\ 31800 \\ + 159000 \\ \hline \end{array}$$

$$\hline 193980$$

15. $\begin{array}{r} 363 \\ \times 943 \\ \hline \end{array}$

$$\begin{array}{r} 1089 \\ 14520 \\ + 326700 \\ \hline \end{array}$$

$$\hline 342309$$

Ex. 3.6 Word problem sums:

1.

Amount collected by Preeti = Rs. 150

Number of members = x9

Total amount collected by Preeti = 1350

Ans: Rs. 1350 was collected by Preeti.

3.

Number Of apple trees planted in a

$$\begin{array}{r} \text{row} = 135 \\ \text{Number Of rows} = x \ 32 \\ \hline 270 \\ +4050 \\ \hline \end{array}$$

Total number Of apple trees

$$\text{planted} = 4320$$

Ans: 4320 apple trees will be planted in 32 rows.

5.

Number of books placed in a rack= 215

$$\begin{array}{r} \text{Number of racks} = x \ 43 \\ \hline 645 \\ +8600 \\ \hline \end{array}$$

Total number of books in the

$$\text{library} = 9245$$

Ans: 9245 books are there in the library.