



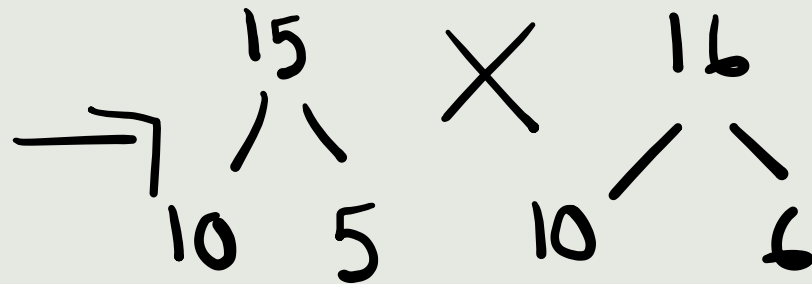
**Multiplying Numbers using
Grid and Column Methods.**

Method 1 – Grid Method

• Example – $15 \times 16 =$

1. Draw out a multiplication grid with the numbers like this:

X	10	6
10	100	60
5	50	30



$$10 \times 10 = 100$$

$$10 \times 6 = 60$$

$$10 \times 5 = 50$$

$$5 \times 6 = 30$$

\rightarrow

$$100 + 60 + 50 + 30$$

$$= \underline{\underline{240}}$$

Method 2 – Column Multiplication

• Example – $14 \times 12 =$

1. Write the numbers out in a column structure like this:

$$\begin{array}{r} 14 \\ \times 12 \\ \hline \hline \end{array}$$

2. Now multiply in columns to get an answer like this:

$$\begin{array}{r} 14 \\ \times 12 \\ \hline 140 \\ 28 \\ \hline \end{array}$$

$$1) 14 \times 10 = 140$$

$$2) 14 \times 2 = 28$$

$$\begin{array}{r} + 140 \\ 28 \\ \hline 168 \\ \hline \end{array}$$

Now try these:

1. $10 \times 18 =$

6. $19 \times 19 =$

2. $17 \times 12 =$

7. $12 \times 19 =$

3. $16 \times 18 =$

8. $11 \times 17 =$

4. $12 \times 10 =$

9. $25 \times 21 =$

5. $13 \times 14 =$

10. $28 \times 31 =$

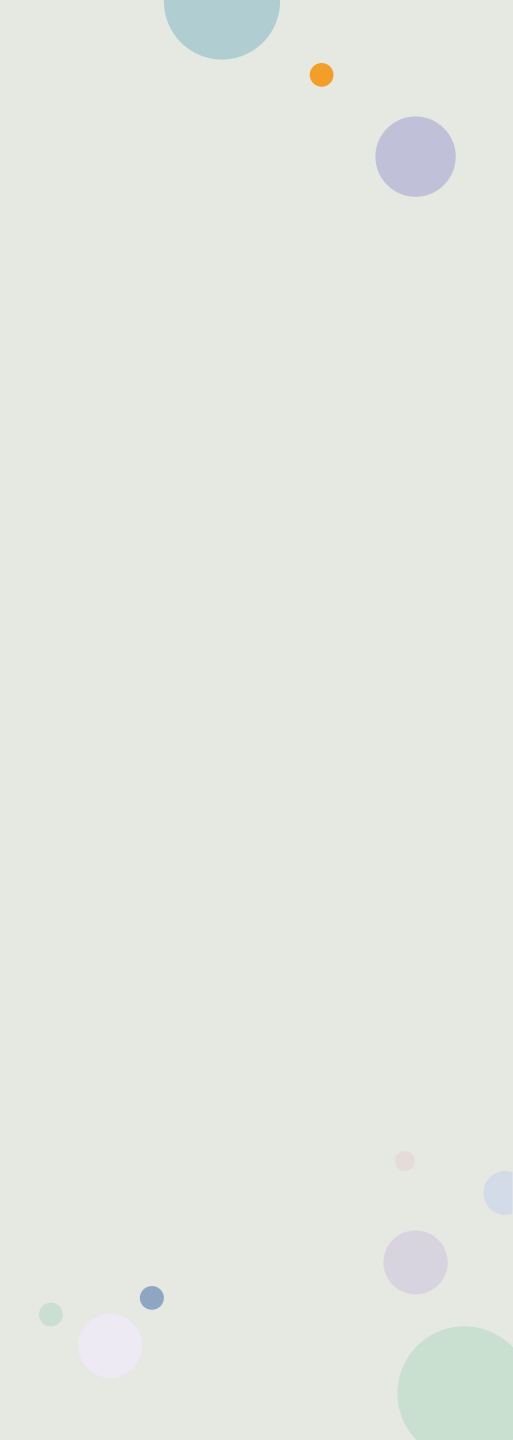
Challenge - see if you can have a go at multiplying 3 digit numbers using either method 1 or method 2

1. $120 \times 120 =$

2. $190 \times 113 =$



Answers

1. 180
 2. 204
 3. 288
 4. 120
 5. 182
 6. 361
 7. 228
 8. 187
 9. 525
 10. 868
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Thank you! Don't forget to check out our worksheets.