Multiplication – Grid Method (HTU x U)

The grid method works by partitioning and then adding.
An approximate answer is found first, by rounding to the nearest 100. A grid is then drawn. The **partitioned number** is placed in the grid and **multiplied**. The **products (answers to the times sums in the grid)** are then added to find the **answer**. You can use any mental or written method for adding the product.

e.g. **326 x 5 = 1304** Approximate Answer: 300 x 5 = 1500

x	300	20	6	
4	1200	80	24	1304

1200 + 80 + 24 = 1304

Work out these multiplication sums using the grid method.

1) 243 x 3 =

Approx. Answer: 200 x 3 =

x	200	40	3	
3				

+   +   =

2) 536 x 5 =

Approx. Answer: 500 x 5 =

x	500	30	6	
5				

+   +   =

3) 671 x 4 =

Approx. Answer: 700 x 4 =

x	600	70	1	
4				

+   +   =

4) 289 x 6 =

Approx. Answer: 300 x 6 =

x	200	80	9	
6				

+   +   =

5) 361 x 9 =

Approx. Answer: 400 x 9 =

x	300	60	1	
9				

6) 723 x 2 =

Approx. Answer: 700 x 2 =

x	700	20	3	
2				

7) 510 x 3 =

Approx. Answer:

x	500	10	
3			

8) 609 x 8 =

Approx. Answer:

x	600	9	
8			

9) 539 x 7 =

Approx. Answer:

x			

10) 212 x 8 =

Approx. Answer:

x			

11) 316 x 4 =

Approx. Answer:

x			

12) 408 x 5 =

Approx. Answer:

x			

13) 530 x 9 =

Approx. Answer:

14) 907 x 8 =

Approx. Answer:

15) 673 x 4 =

16)   354 x 6 =