

Sci: to understand place value

Eg. 841×7

+	800	40	1
7	5600	280	7

$$\begin{array}{r} 5600 \\ 280 \\ \hline 7 + \\ 5887 \end{array} \checkmark$$

1. 375×4

+	300	70	5
4	1200	280	20

$$\begin{array}{r} 1200 \\ 280 \\ \hline 4 + \\ 1500 \end{array} \checkmark$$

2. 543×6

+	500	40	3
6	3000	240	18

$$\begin{array}{r} 3000 \\ 240 \\ 18 \\ \hline 6 + \\ 3258 \end{array} \checkmark$$

3. 729×5

+	700	20	9
5	3500	100	45

$$\begin{array}{r} 3500 \\ 100 \\ 45 \\ \hline 5 + \\ 3645 \end{array} \checkmark$$

4. 493×6

+	400	90	6
6	2400	540	36

$$\begin{array}{r} 2400 \\ 540 \\ 36 \\ \hline 6 + \\ 2958 \end{array} \checkmark$$

11.10.2019 Lo: Long multiplication (Grid method)

EG: 522×46

X	500	20	2
40	20000	800	80
8	4000	160	12

20000
8000
120
23250

1. 524×37

X	500	20	4
30	15000	6000	120
7	35000	14000	28

15000
6000
120
15720

35000
14000
28
3638

18720
3668
19388

2. 613×54

X	600	10	3
50	30000	5000	150
40	24000	4000	12

30000
5000
150
30550

24000
4000
12
2452

30650
2752
33102

3. 662×46

X	600	60	2
40	24000	26000	80
6	24000	36000	12

16000
24000
80
18480

24000
36000
12
2772

18480
2772
21252

4. 243×95

X	200	40	3
90	18000	3600	270
5	10000	2000	15

18000
3600
270
21870

10000
2000
15
1215

21870
1215
23085

5. 375×62

X	300	70	5
60	18000	4200	300
2	6000	1400	10

18000
4200
300
22500

6000
1400
10
7500

22500
7500
23250

6. 198×73

X	100	90	8
70	7000	6300	560
3	3000	2700	24

7000
6300
560
13860

3000
2700
24
594

13860
594
14454

7. 669×27

X	600	60	9
20	12000	8000	180
7	42000	2800	63

12000
8000
180
12980

6200
2800
63
4543

12980
4543
17523

8. 363×58

X	300	60	3
50	15000	3000	150
8	24000	4800	24

15000
3000
150
~~18150~~
18150

24000
4800
24
2904

18150
2904
21054

Well done Alex, excellent system you have got! (w.t.t) (E)

Target - Try more examples to move on and get a better understanding.