Multiplying large numbers using the grid method

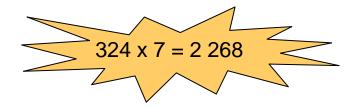
Example A: 324 x 7

- 1) Split the number into hundreds, tens and units. 324 breaks down to 300, 20 and 4
- 2) Draw a grid and multiply the numbers as shown below.

X	300	20	4
7	2100	140	28

3) Add the three numbers together to get your answer.

$$2100 + 140 + 28 = 2268$$



Not sure of the method? Try these!			
a.	62 x 3		
b.	15 x 4		
C.	27 x 3		
d.	45 x 6		
e.	63 x 9		
f.	98 x 7		

Example B: 324 x 25

Split both numbers into hundreds, tens and units.
 splits to 300, 20 and 4. Put them at the top of the grid.
 splits to 20 and 5. Put these down the left-hand side of the grid.

2) Draw a grid and multiply the numbers.

X	300	20	4
20	6000	400	80
5	1500	100	20

3) Add up each column, then add the results of each column together.

$$6000 + 400 + 80 = 6480$$

$$1500 + 100 + 20 = 1620$$

$$8100$$

Feeling ok with the method? Try these		Feeling very confident with the method? Try these		
g.	65 x 20	m.	510 x 21	
h.	34 x 15	n.	245 x 33	
i.	51 x 55	0.	350 x 29	
j.	13 x 67	p.	154 x 83	
k.	89 x 36	q.	768 x 96	
I.	78 x 56	r.	829 x 79	

Answers

Not sure of the method?		Feeling ok with the method?		Feeling very confident with the method?	
a.	186	g.	1300	m.	10710
b.	60	h.	510	n.	8085
C.	81	i.	2805	Ο.	10150
d.	270	j.	871	p.	12782
e.	567	k.	3204	q.	73728
f.	686	I.	4368	r.	65491