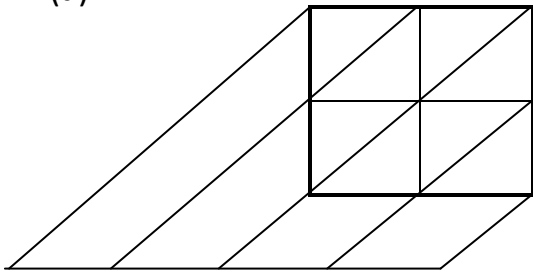


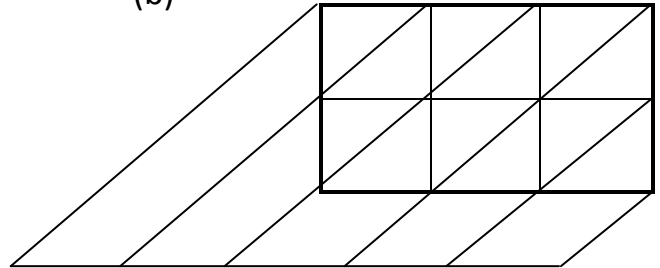
LONG MULTIPLICATION METHODS

1. Use Napier's method for the following (a) 35×67 (b) 398×62

(a)



(b)



(ii) Use your answers to find (a) 350×67 (b) $£3.98 \times 62$

2. Use the **box method** to find (a) 56×76 (b) 756×94

	50	6
70		
6		

	700	50	6

3. Try to follow this Russian multiplication method carefully

- (a) Write out 36×14 at the top of your page
 (b) Keep **halving** the **left hand** number and **double** the **right hand** number ignoring halves like " $4 \frac{1}{2}$ ".

36×14
 18×28
 9×56
 4×112 (ignore the $\frac{1}{2}$)
 2×224
 1×448

- (c) Delete rows that have even numbers on the left hand side.

~~36×14~~
 ~~18×28~~
 9×56
 ~~4×112~~
 ~~2×224~~
 1×448

- (d) Add the numbers that are remaining on **the right hand side** = $56 + 448 = 504$ (Final answer!)

Now use the **back of this sheet** to find 42×21 using the RUSSIAN METHOD!