

Squares and Square Roots

Exercise 3C

Q1

Answer :

Using the column method:

$$\therefore a = 2$$

$$b = 3$$

a^2	$2ab$	b^2
$04 + 1 = \underline{5}$	$12 + 0 = 1\underline{2}$	$\underline{9}$

$$\therefore 23^2 = 529$$

Q2

Answer :

Using the column method:

Here, $a = 3$ and $b = 5$

a^2	$2ab$	b^2
09	30	
$+3$	$+2$	$2\underline{5}$
$= \underline{12}$	$= 3\underline{2}$	

$$\therefore 35^2 = 1225$$

Q3

Answer :

Using the column method:

Here, $a = 5$

$b = 2$

a^2	$2ab$	b^2
25 + 2 = <u>27</u>	20	4

$$\therefore 52^2 = 2704$$

Q4

Answer :

Using column method:

Here, $a = 9$

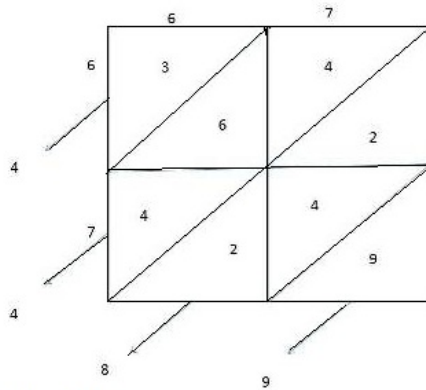
$b = 6$

a^2	$2ab$	b^2
81 + 11 = <u>92</u>	108 + 3 = <u>111</u>	36

$$\therefore 96^2 = 9216$$

Q5

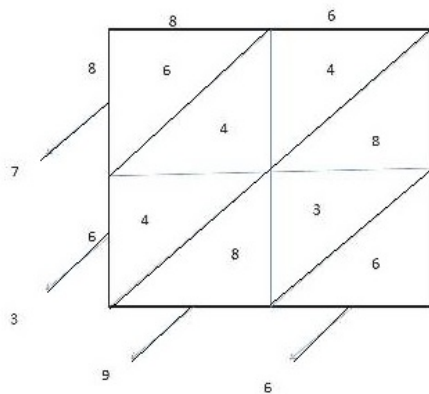
Answer :



$$67^2 = 4489$$

Q6

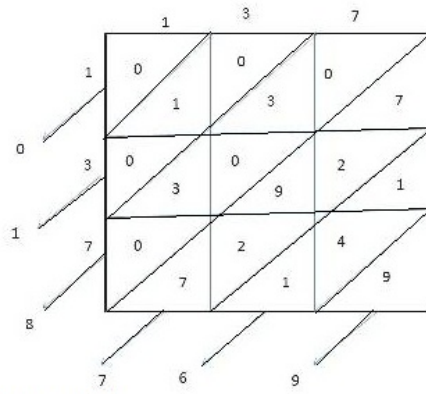
Answer :



$$86^2 = 7396$$

Q7

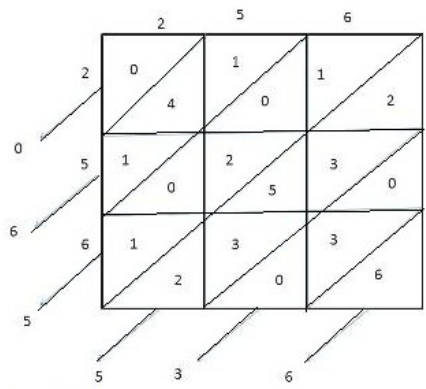
Answer :



$$137^2 = 18769$$

Q8

Answer :



$$256^2 = 65536$$