Q1

Answer :

$(25)^3$

Here, $a = 2$ and $b = 5$

Using the formula $a^3 + 3a^2b + 3ab^2 + b^3$:

4	4	25	25
× 2	× 15	× 6	×5
8	60	150	**125**
+7	+ 16	+ 12	
15	**76**	**162**	

$$\therefore (25)^3 = 15625$$

Q2

Answer :

$(47)^3$

Here, $a = 4$ and $b = 7$

Using the formula $a^3 + 3a^2b + 3ab^2 + b^3$:

16	16	49	49
× 4	× 21	× 12	×7
64	336	588	343
+39	+ 62	+ 34	
103	39**8**	62**2**	

$$\therefore (47)^3 = 103823$$

Q3

Answer :

$$(68)^3$$

Here, $a = 6$ and $b = 8$

********** END *********