

Exercise 4B

Q1

Answer:

 $(25)^3$

Here, a = 2 and b = 5

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

15	76	162	
+7	+ 16	+ 12	125
8	60	150	40.
× 2	× 15	× 6	×5
4	4	25	25

$$(25)^3 = 15625$$

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	398	622	
	U.S. Harris and A. S. H	CONT. 100	

$$(47)^3 = 103823$$

Q3

Answer:

$$(68)^3$$

Here, a = 6 and b = 8

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