

Output 1: (For N=7 & a=8)

Run 34s on 13:12:15, 01/24 ✓

The program prints the volume, LSA, TSA and slant height of a square pyramid with height h being an odd number ranging from 1 to N and side length a

Enter the value for N: 7

Enter the length of side a: 8

Height	Volume	Lateral Surface Area	Total Surface Area	Slant Height
1	21 m ³	65.970 m ²	129.970 m ²	4.123 m
3	64 m ³	80.000 m ²	144.000 m ²	5.000 m
5	107 m ³	102.450 m ²	166.450 m ²	6.403 m
7	149 m ³	128.996 m ²	192.996 m ²	8.062 m

Output 2: (For N=15 & a=7)

Run 15s on 13:16:12, 01/24 ✓

The program prints the volume, LSA, TSA and slant height of a square pyramid with height h being an odd number ranging from 1 to N and side length a

Enter the value for N: 15

Enter the length of side a: 7

Height	Volume	Lateral Surface Area	Total Surface Area	Slant Height
1	16 m ³	50.961 m ²	99.961 m ²	3.640 m
3	49 m ³	64.537 m ²	113.537 m ²	4.610 m
5	82 m ³	85.446 m ²	134.446 m ²	6.103 m
7	114 m ³	109.567 m ²	158.567 m ²	7.826 m
9	147 m ³	135.192 m ²	184.192 m ²	9.657 m
11	180 m ³	161.608 m ²	210.608 m ²	11.543 m
13	212 m ³	188.481 m ²	237.481 m ²	13.463 m
15	245 m ³	215.641 m ²	264.641 m ²	15.403 m

Output 3: (For N=30 & a=10)

Run 15s on 13:17:19, 01/24 ✓

The program prints the volume, LSA, TSA and slant height of a square pyramid with height h being an odd number ranging from 1 to N and side length a

Enter the value for N: 30

Enter the length of side a: 10

Height	Volume	Lateral Surface Area	Total Surface Area	Slant Height
1	33 m ³	101.980 m ²	201.980 m ²	5.099 m
3	100 m ³	116.619 m ²	216.619 m ²	5.831 m
5	167 m ³	141.421 m ²	241.421 m ²	7.071 m
7	233 m ³	172.047 m ²	272.047 m ²	8.602 m
9	300 m ³	205.913 m ²	305.913 m ²	10.296 m
11	367 m ³	241.661 m ²	341.661 m ²	12.083 m
13	433 m ³	278.568 m ²	378.568 m ²	13.928 m
15	500 m ³	316.228 m ²	416.228 m ²	15.811 m
17	567 m ³	354.401 m ²	454.401 m ²	17.720 m
19	633 m ³	392.938 m ²	492.938 m ²	19.647 m
21	700 m ³	431.741 m ²	531.741 m ²	21.587 m
23	767 m ³	470.744 m ²	570.744 m ²	23.537 m
25	833 m ³	509.902 m ²	609.902 m ²	25.495 m
27	900 m ³	549.181 m ²	649.181 m ²	27.459 m
29	967 m ³	588.558 m ²	688.558 m ²	29.428 m