

Answer Key for Practice 12-5

	#1	#2	#3	#4	#5
Scale factor		1:3	2:7	5:6	3:10
Ratio of base perimeters	2:5	1:3	2:7	5:6	3:10
Ratio of heights	2:5		2:7	5:6	3:10
Ratio of lateral areas	4:25	1:9		25:36	9:100
Ratio of total areas	4:25	1:9	4:49	25:36	9:100
Ratio of volumes	8:125	1:27	8:343		

6) yes 7) no 8) 5:8 25:64 125:512

9) 1:2 1:2 1:4 10) 2:3 4:9 8:27

11) 9:25 9:25 27:125 12) 7.1 kg

13) 1400 units² 14) 27 15) $81\pi \text{ cm}^2$