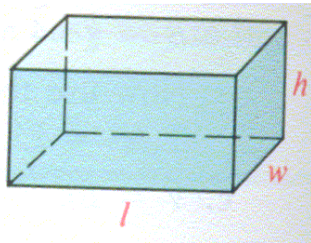
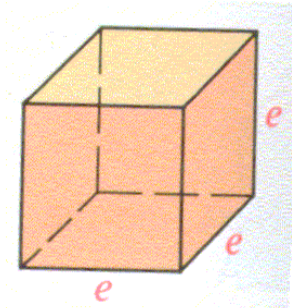


Exercises 1-6 refer to rectangular solids with dimensions l , w , and h . Complete the table.



	1	2	3	4	5	6
l	6	50	6		9	$5x$
w	4	30	3	8		$4x$
h	2	15		5	2	$3x$
Lateral Area					60	
Surface Area						
Volume			54	360		

Exercises 7-12 refer to cubes with edges of length e . Complete the table.



	7	8	9	10	11	12
e	3	e				$2x$
Surface Area					150	
Volume			1000	64		

- 13.** The base of a right prism is an equilateral triangle with sides of 8 ft. The height of the prism is 10 ft. Sketch the prism and find its surface area and volume.
- 14.** The base of a right prism is a triangle with sides 9 in, 12 in, & 15 in. The height of the prism is 8 in. Sketch the prism and find its surface area and volume.
- 15.** The base of a right prism is an isosceles triangle with sides 13 m, 13 m, & 10 m. The height of the prism is 7 m. Sketch the prism and find its surface area and volume.
- 16.** The base of a right prism is an isosceles trapezoid with bases of 10 ft and 4 ft and legs of 5 ft. The height of the prism is 20 ft. Sketch the prism and find its surface area and volume.