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			Volume of cubes and rectangular prisms: word problems																																									
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Mary's lunch box is 24cm long, 15 cm wide and 4	cm thick. What is the volume of the													
unch box?														
Formula for the volume of a rectangular prism Volume = length x width x height.	is:													
Find the volume of the lunch box by substitut Length = 24 cm, width = 15 cm, height = 4 cm														
Volume = $24 \times 15 \times 4 = 1$ , 440 cubic centimete	rs.													
So, the volume of the lunch box is 1,440 cubic	centimeters.													
So, the volume of the sand castle is 1,728 cubic	meters.													
So, the volume of the gas cooker is 18 cubic fe	eet.													
So, the volume of Angela's living room is 900	cubic feet.													
So, the volume of each new juice box is 1,620	cubic centimeters.													

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2.

3.

4.

5.

7.

So, the volume of the box is 512 cubic inches.

So, the volume of Jeremy's box is 48.17 cubic feet.