## **Volume or Surface Area**

	Name:				Date:	
			Solve the pr	oblems.		
1)	The perimeter of a	a rectangular tent is	28 feet. The ten	t is 10 feet long	. How wide is	t?
	4 ft					
2)	A mat had a length	n of 8 meters and a j	perimeter of 34.	What is the wid	lth of a mat?	
3)	A rectangular pris of the prism?	m has a width of 9 o	cm, a height of 1	0 cm and a dept	th of 5 cm. Wha	at is the volume
4)	What is the volum	e of a box which is 2	2 inches wide, 9	inches tall and	8 inches long?	
5)		m has a width of 6 o	cm, a height of 9	cm and a depth	of 5 cm. What	is the volume of
	the prism?					
6)		e of a box, if the box			and 4 inches lo	ng?
7)	A rectangular pris	m has a width of 4 o lar prism?	cm, a height of 7	cm and a depth	of 3 cm. What	is the surface
0)	A gubo hag langth	of 0 am What is the	y volume of the o	who?		
8)	A cube has length	of 9 cm. What is the	e volume of the c	.ube:		
9)	If the surface area	of a rectangular pr	ism is 318 m², w	ridth is 9 m leng	th is 7 m then	find the height of
	the prism?	-		J		-
LO)	The volume of this	s cube is 216 units.	What is its surfa	ce area?		

## **Volume or Surface Area** Date: Solve the problems. The perimeter of a rectangular tent is 28 feet. The tent is 10 feet long. How wide is it? 1) 4 ft 2) A mat had a length of 8 meters and a perimeter of 34. What is the width of a mat? 9 m 3) A rectangular prism has a width of 9 cm, a height of 10 cm and a depth of 5 cm. What is the volume of the prism? 450 cm<sup>3</sup> What is the volume of a box which is 2 inches wide, 9 inches tall and 8 inches long? $144 \text{ in}^3$ A rectangular prism has a width of 6 cm, a height of 9 cm and a depth of 5 cm. What is the volume of the prism? 270cm<sup>3</sup> What is the volume of a box, if the box is 6 inches wide, 3 inches tall and 4 inches long? 6) $72 in^3$ A rectangular prism has a width of 4 cm, a height of 7 cm and a depth of 3 cm. What is the surface 7) area of a rectangular prism? 122 cm<sup>2</sup> A cube has length of 9 cm. What is the volume of the cube? 8) $729 \text{ cm}^{3}$

If the surface area of a rectangular prism is 318 m<sup>2</sup>, width is 9 m length is 7 m then find the height of

9)

the prism?

6 m

216 units

10) The volume of this cube is 216 units. What is its surface area?

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