

Name : _____

Surface Areas and Volumes

Sheet 3

A) Complete the table.

	Surface Area of figure M	Scale factor of M to N	Ratio of Surface Areas	Surface Area of figure N
1)	7 yd ²	1 : 7.1		
2)	80.92 ft ²	3.4 : 6.3		
3)	57.216			
4)	3.2 f			
5)	1,116			
6)	192 i			

B) Complete the tab

	Volume of			Volume of figure D
1)	64 in			
2)	2,048			
3)	24.2 ft ³	2 : 5		
4)	878.08 in ³	5.6 : 3.1		
5)	16.875 ft ³	1.5 : 4		
6)	270 yd ³	3 : 0.7		

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com

Name : _____

Answer key

Surface Areas and Volumes

Sheet 3

A) Complete the table.

	Surface Area of figure M	Scale factor of M to N	Ratio of Surface Areas	Surface Area of figure N
1)	7 yd ²	1 : 7.1	1 : 50.41	352.87 yd²
2)	80.92 ft ²	3.4 : 6.3	11.56 : 39.69	277.83 ft²
3)	57.216			3.576 in²
4)	3.2			45 ft²
5)	1,116			775 yd²
6)	192			60.75 in²

B) Complete the table

	Volume of figure C			Volume of figure D
1)	64 in ³			343 in³
2)	2,048			4 yd³
3)	24.2 ft ³	2 : 5	8 : 125	378.125 ft³
4)	878.08 in ³	5.6 : 3.1	175.616 : 29.791	148.955 in³
5)	16.875 ft ³	1.5 : 4	3.375 : 64	320 ft³
6)	270 yd ³	3 : 0.7	27 : 0.343	3.43 yd³

PREVIEW

Gain complete access to the largest collection of worksheets in all subjects!

Members, please log in to download this worksheet.

Not a member? Please sign up to gain complete access.

www.mathworksheets4kids.com