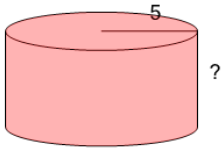
mobius

Math worksheet on *'Volume of a Cylinder - Calculate Prism Side (Integer) from Volume and Sides (Level 1)'*. Part of a broader unit on *'Geometry - Volume Logic with 3D Shapes - Intro'*

Learn online: app.mobius.academy/math/units/geometry_volume_logic_intro/

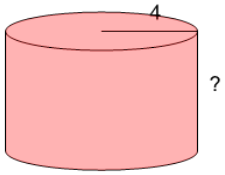
1 What is the length of the missing side of this Cylinder?



V=125pi

a	b	c
$5 \cdot \pi$	14	$\frac{5}{\pi}$
d	**e**	**f**
5	$\frac{12}{\pi}$	$\frac{10}{\pi}$

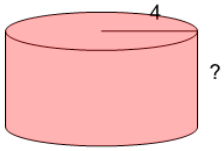
2 What is the length of the missing side of this Cylinder?



V=80pi

a	b	c
8	5	$\frac{5}{\pi}$
d	**e**	**f**
$5 \cdot \pi$	$3 \cdot \pi$	11

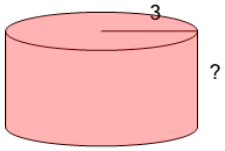
3 What is the length of the missing side of this Cylinder?



V=64pi

a	b	c
$7 \cdot \pi$	2	8
d	**e**	**f**
$\frac{4}{\pi}$	4	$4 \cdot \pi$

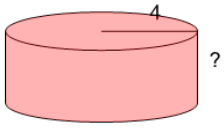
4 What is the length of the missing side of this Cylinder?



V=27pi

a	b	c
$\frac{3}{\pi}$	$\frac{10}{\pi}$	$3 \cdot \pi$
d	**e**	**f**
8	3	4

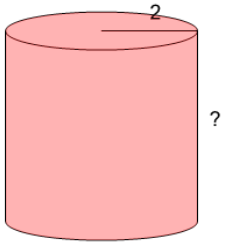
5 What is the length of the missing side of this Cylinder?



V=48pi

a	b	c
$\frac{3}{\pi}$	$7 \cdot \pi$	$\frac{10}{\pi}$
d	**e**	**f**
$\frac{1}{\pi}$	$3 \cdot \pi$	3

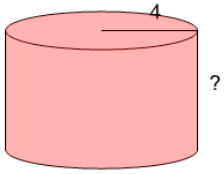
6 What is the length of the missing side of this Cylinder?



V=16pi

a	b	c
$4 \cdot \pi$	4	2
d	**e**	**f**
$\frac{4}{\pi}$	$\frac{3}{\pi}$	$\frac{6}{\pi}$

7 What is the length of the missing side of this Cylinder?



V=80pi

a	b	c
12	$2 \cdot \pi$	$5 \cdot \pi$
d	**e**	**f**
5	$\frac{5}{\pi}$	$\frac{10}{\pi}$