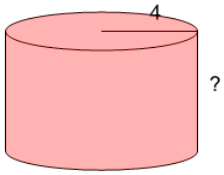
mobius

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/

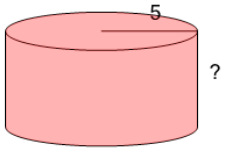
1 What is the length of the missing side of this Cylinder?



V=80pi

a	b	c
5	$\frac{11}{\pi}$	$5 \cdot \pi$
d	**e**	**f**
$\frac{2}{\pi}$	$\frac{5}{\pi}$	$4 \cdot \pi$

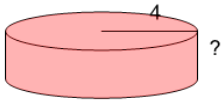
2 What is the length of the missing side of this Cylinder?



V=125pi

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

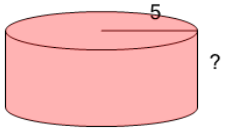
3 What is the length of the missing side of this Cylinder?



V=32pi

a	b	c
$\frac{10}{\pi}$	$2 \cdot \pi$	2
d	**e**	**f**
$4 \cdot \pi$	$\frac{2}{\pi}$	$\frac{5}{\pi}$

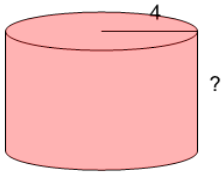
4 What is the length of the missing side of this Cylinder?



V=100pi

a	b	c
$\frac{4}{\pi}$	$4 \cdot \pi$	4
d	**e**	**f**
$5 \cdot \pi$	$\frac{6}{\pi}$	$2 \cdot \pi$

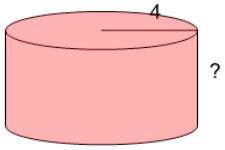
5 What is the length of the missing side of this Cylinder?



V=80pi

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

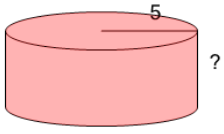
6 What is the length of the missing side of this Cylinder?



V=64pi

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

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



V=100pi

a	b	c
$\frac{2}{\pi}$	$10 \cdot \pi$	5
d	**e**	**f**
4	$\frac{4}{\pi}$	$4 \cdot \pi$