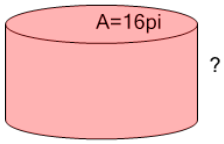
mobius

Math worksheet on *'Volume of a Cylinder - Calculate Side from Volume and Base Area (Level 1)'*. Part of a broader unit on *'Geometry - Cylinders - Intro'*

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

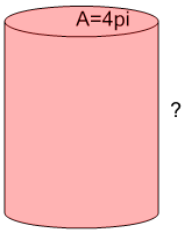
1 What is the length of the missing side of this Cylinder?



V=64pi

a	b	c
1	11	$7 \cdot \pi$
d	**e**	**f**
4	$4 \cdot \pi$	$\frac{4}{\pi}$

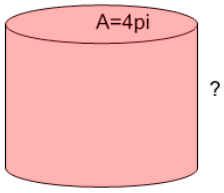
2 What is the length of the missing side of this Cylinder?



V=20pi

a	b	c
$1 \cdot \pi$	$\frac{9}{\pi}$	$\frac{10}{\pi}$
d	**e**	**f**
$5 \cdot \pi$	$\frac{5}{\pi}$	5

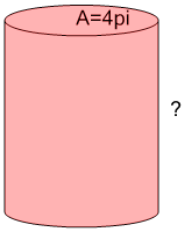
3 What is the length of the missing side of this Cylinder?



V=12pi

a	b	c
$11 \cdot \pi$	$1 \cdot \pi$	$\frac{3}{\pi}$
d	**e**	**f**
$\frac{2}{\pi}$	3	$3 \cdot \pi$

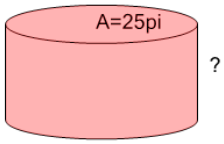
4 What is the length of the missing side of this Cylinder?



V=20pi

a	b	c
$\frac{9}{\pi}$	$\frac{8}{\pi}$	$5 \cdot \pi$
d	**e**	**f**
$\frac{5}{\pi}$	5	$13 \cdot \pi$

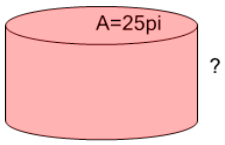
5 What is the length of the missing side of this Cylinder?



V=125pi

a	b	c
11	5	$5 \cdot \pi$
d	**e**	**f**
$\frac{5}{\pi}$	$\frac{10}{\pi}$	3

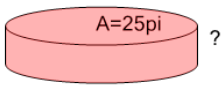
6 What is the length of the missing side of this Cylinder?



V=125pi

a	b	c
$\frac{5}{\pi}$	$\frac{2}{\pi}$	12
d	**e**	**f**
$5 \cdot \pi$	5	$3 \cdot \pi$

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



V=50pi

a	b	c
1	4	$4 \cdot \pi$
d	**e**	**f**
$2 \cdot \pi$	$\frac{2}{\pi}$	2