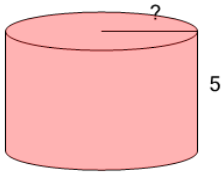
mobius

Math worksheet on *'Volume of a Cylinder - Calculate Circle Radius 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/

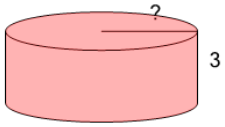
**1** What is the length of the missing side of this Cylinder?




V=80pi

| a | b | c |
|---|---|---|
| $\frac{6}{\pi}$ | $4 \cdot \pi$ | 4 |
| **d** | **e** | **f** |
| 10 | $\frac{4}{\pi}$ | $\frac{2}{\pi}$ |

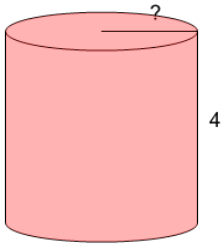
**2** What is the length of the missing side of this Cylinder?




V=48pi

| a | b | c |
|---|---|---|
| 5 | $\frac{4}{\pi}$ | $1 \cdot \pi$ |
| **d** | **e** | **f** |
| $4 \cdot \pi$ | 4 | $\frac{5}{\pi}$ |

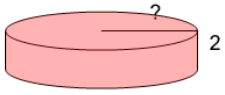
**3** What is the length of the missing side of this Cylinder?




V=16pi

| a | b | c |
|---|---|---|
| $5 \cdot \pi$ | 2 | $\frac{2}{\pi}$ |
| **d** | **e** | **f** |
| $\frac{1}{\pi}$ | $7 \cdot \pi$ | $2 \cdot \pi$ |

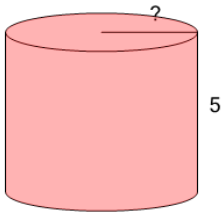
**4** What is the length of the missing side of this Cylinder?




V=50pi

| a | b | c |
|---|---|---|
| $\frac{5}{\pi}$ | $5 \cdot \pi$ | 7 |
| **d** | **e** | **f** |
| 10 | $\frac{3}{\pi}$ | 5 |

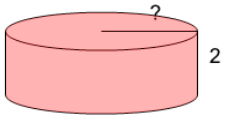
**5** What is the length of the missing side of this Cylinder?




V=45pi

| a | b | c |
|---|---|---|
| $11 \cdot \pi$ | 3 | $3 \cdot \pi$ |
| **d** | **e** | **f** |
| 10 | $\frac{2}{\pi}$ | $\frac{3}{\pi}$ |

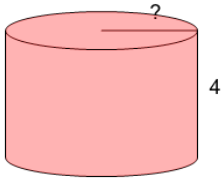
**6** What is the length of the missing side of this Cylinder?




V=18pi

| a | b | c |
|---|---|---|
| $3 \cdot \pi$ | $\frac{7}{\pi}$ | $6 \cdot \pi$ |
| **d** | **e** | **f** |
| $\frac{3}{\pi}$ | $7 \cdot \pi$ | 3 |

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




V=36pi

| a | b | c |
|---|---|---|
| $\frac{6}{\pi}$ | $\frac{3}{\pi}$ | 5 |
| **d** | **e** | **f** |
| $3 \cdot \pi$ | 3 | $\frac{5}{\pi}$ |