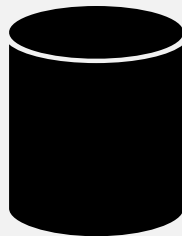


50. How to find the surface area of a cylinder



Practice Questions: Round answers to 2 decimal places, use $\pi = 3.14$

1. Calculate the surface area of a cylinder if the radius is 8 centimeters and the height is 12 centimeters, using square centimeters as units.



2. What is the total surface area of a cylinder with a radius of 10 meters and a height of 15 meters, in square meters?



50. How to find the surface area of a cylinder



Practice Questions: Round answers to 2 decimal places, use $\pi = 3.14$

3. Find the surface area of a cylinder with a radius of 2.5 inches and a length of 18 inches, using square inches as units.



4. A cylinder has a radius of 1.2 centimeters and a length of 5.6 centimeters. What is its surface area, in square centimeters rounded to two decimal places?

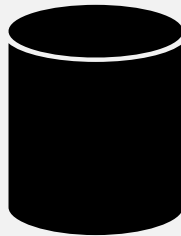


50. How to find the surface area of a cylinder



Practice Questions: Round answers to 2 decimal places, use $\pi = 3.14$

5. Calculate the surface area of a cylinder if the diameter is 10.4 millimeters and the height is 12.6 millimeters, using square millimeters as units.



6. A cylinder has a diameter of 4 inches and a length of 9.5 inches. What is its total surface area, rounded to one decimal place, in square inches?

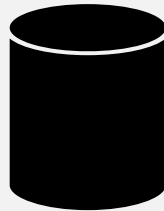


50. How to find the surface area of a cylinder



Practice Questions: Round answers to 2 decimal places, use $\pi = 3.14$

7. Find the total surface area of a cylinder with a circumference of 25.12 cm and a height of 16 cm, in cm^2 .



8. Calculate the surface area of a cylinder with circumference 75.36 millimeters and the height is 8 millimeters, using square millimeters as units.

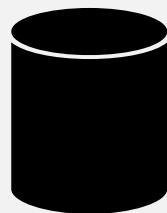


50. How to find the surface area of a cylinder

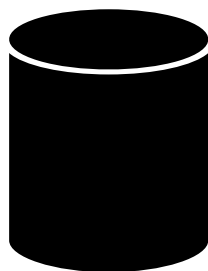


Practice Questions: Round answers to 2 decimal places, use $\pi = 3.14$

9. A cylinder has a radius of 2.25 centimeters and a height of 7.5 centimeters. What is its total surface area, rounded to two decimal places, in square centimeters?



10. Find the surface area of a cylinder vase with a radius of 5 and $\frac{2}{5}$ centimeters and a height of 7 and $\frac{3}{4}$ centimeters, using square centimeters as units.



50. How to find the surface area of a cylinder



Practice Questions: **Answers**

1. Calculate the surface area of a cylinder if the radius is 8 centimeters and the height is 12 centimeters, using square centimeters as units.



1. Total surface area = $200.96 \text{ cm}^2 + 200.96 \text{ cm}^2 + 602.88 \text{ cm}^2 = 1004.8 \text{ cm}^2$

2. What is the total surface area of a cylinder with a radius of 10 meters and a height of 15 meters, in square meters?



2. Total surface area = $314 \text{ m}^2 + 314 \text{ m}^2 + 942 \text{ m}^2 = 1570 \text{ m}^2$

3. Find the surface area of a cylinder with a radius of 2.5 inches and a length of 18 inches, using square inches as units.



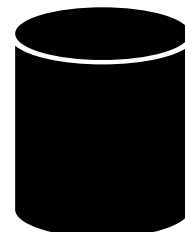
3. Total surface area = $19.625 + 19.625 + 282.6 = 321.85$ square inches.

4. A cylinder has a radius of 1.2 centimeters and a length of 5.6 centimeters. What is its surface area, in square centimeters rounded to two decimal places?



4. Total surface area = $4.52 \text{ cm}^2 + 4.52 \text{ cm}^2 + 42.20 \text{ cm}^2 = 51.24 \text{ cm}^2$

5. Calculate the surface area of a cylinder if the diameter is 10.4 millimeters and the height is 12.6 millimeters, using square millimeters as units.



5. Total surface area = $84.91.. \text{ mm}^2 + 84.91.. \text{ mm}^2 + 411.46.. \text{ mm}^2 = 581.28 \text{ mm}^2$

50. How to find the surface area of a cylinder



Practice Questions: **Answers**

6. A cylinder has a diameter of 4 inches and a length of 9.5 inches. What is its total surface area, rounded to one decimal place, in square inches?



6. Total surface area = $12.56 + 12.56 + 119.32 = 144.44$ square inches.

7. Find the total surface area of a cylinder with a circumference of 25.12 cm and a height of 16 cm, in cm^2 .



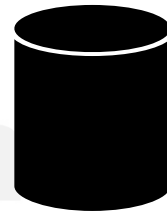
7. Total surface area = $50.24 \text{ cm}^2 + 50.24 \text{ cm}^2 + 401.92 \text{ cm}^2 = 502.4 \text{ cm}^2$.

8. Calculate the surface area of a cylinder with circumference 75.36 millimeters and the height is 8 millimeters, using square millimeters as units.



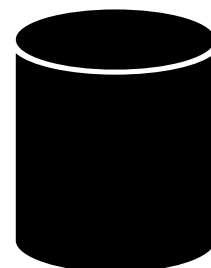
8. Total surface area = $452.16 \text{ mm}^2 + 452.16 \text{ mm}^2 + 602.88 \text{ cm}^2 = 1507.2 \text{ mm}^2$.

9. A cylinder has a radius of 2.25 centimeters and a height of 7.5 centimeters. What is its total surface area, rounded to two decimal places, in square centimeters?



9. Total surface area = $15.8... \text{ cm}^2 + 15.8... \text{ cm}^2 + 11.75 \text{ cm}^2 = 149.54 \text{ cm}^2$

10. Find the surface area of a cylinder vase with a radius of 5 and $\frac{2}{5}$ centimeters and a height of 7 and $\frac{3}{4}$ centimeters, using square centimeters as units.



10. Total surface area = $91.56 \text{ cm}^2 + 91.56 \text{ cm}^2 + 262.82 \text{ cm}^2 = 445.94 \text{ cm}^2$