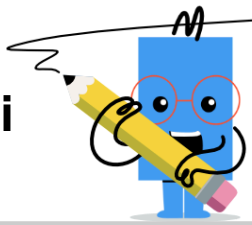
Name

Surface Area - All Circular - Words to Pi Value



1 What is the surface area of this shape? A Cylinder with radius 4 and height 5

A

$$SA = 2\pi \cdot 5 \cdot 4 + 2\pi 5^2$$

B

$$SA = 2\pi \cdot 4 \cdot 5 + 2\pi 4^2$$

2 What is the surface area of this shape? A Cylinder with radius 2 and height 5

A

$$SA = 2\pi \cdot 2 \cdot 5 + 2\pi 2^2$$

B

$$SA = \pi \cdot 2 \cdot (2 + \sqrt{5^2 + 2^2})$$

3 What is the surface area of this shape? A Cylinder with radius 2 and height 3

A

$$SA = \pi \cdot 2^2 \cdot 3$$

B

$$SA = 2\pi \cdot 2 \cdot 3 + 2\pi 2^2$$

4 What is the surface area of this shape? A Cone with radius 3 and a height of 4

A

$$SA = \pi \cdot 4 \cdot (4 + \sqrt{3^2 + 4^2})$$

B

$$SA = \pi \cdot 3 \cdot (3 + \sqrt{4^2 + 3^2})$$

5 What is the surface area of this shape? A Cylinder with radius 2 and height 4

A

$$SA = 2\pi \cdot 4 \cdot 2 + 2\pi 4^2$$

B

$$SA = 2\pi \cdot 2 \cdot 4 + 2\pi 2^2$$

6 What is the surface area of this shape? A Sphere with radius 3

A

$$SA = \pi \cdot 3 \cdot (3 + \sqrt{5^2 + 3^2})$$

B

$$SA = 4\pi \cdot 3^2$$

7 What is the surface area of this shape? A Cone with radius 2 and a height of 5

A

$$SA = \frac{1}{3} 5\pi 2^2$$

B

$$SA = \pi \cdot 2 \cdot (2 + \sqrt{5^2 + 2^2})$$

8 What is the surface area of this shape? A Cone with radius 4 and a height of 5

A

$$SA = \pi \cdot 4 \cdot (4 + \sqrt{5^2 + 4^2})$$

B

$$SA = \pi \cdot 5 \cdot (5 + \sqrt{4^2 + 5^2})$$