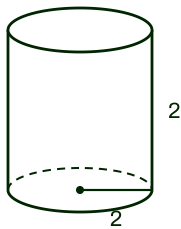


# Find the surface area of a cylinder

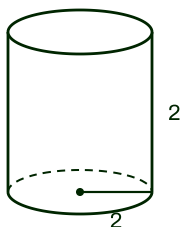
|      |      |       |
|------|------|-------|
| NAME | DATE | SCORE |
|      |      | / 10  |

- 1** The cylinder below is measured in centimetres. Use 3.14 for  $\pi$ . What is the total surface area, in square centimetres, of the cylinder?



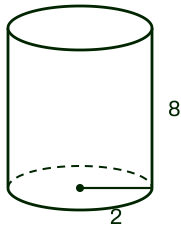

- 2** A closed water tank is a cylinder with a radius of 1 metre and a height of 2 metres. Paint covers the whole outside of the tank, including the top and the bottom. Use 3.14 for  $\pi$ . How many square metres of paint cover the tank?

- 3** The cylinder below is measured in centimetres. Its total surface area is  $\square\pi$  square centimetres. What number goes in the box?



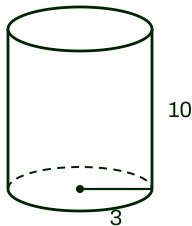

- 4** A closed tin is a cylinder with a radius of 3 centimetres and a height of 7 centimetres. Paper covers the whole outside of the tin, including the top and the bottom. Use 3.14 for  $\pi$ . How many square centimetres of paper cover the tin?

- 5** The cylinder below is measured in centimetres. Use 3.14 for  $\pi$ . What is the total surface area, in square centimetres, of the cylinder?




- 6** A closed tin is a cylinder with a radius of 3 centimetres and a height of 5 centimetres. Paper covers the whole outside of the tin, including the top and the bottom. The paper covers  $\square\pi$  square centimetres. What number goes in the box?

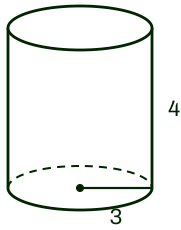
- 7** The cylinder below is measured in centimetres. Its total surface area is  $\square\pi$  square centimetres. What number goes in the box?




- 8** A closed water tank is a cylinder with a radius of 1 metre and a height of 6 metres. Paint covers the whole outside of the tank, including the top and the bottom. The paint covers  $\square\pi$  square metres. What number goes in the box?

**9**

The cylinder below is measured in centimetres. Use 3.14 for  $\pi$ . What is the total surface area, in square centimetres, of the cylinder?




**10**

A closed water tank is a cylinder with a radius of 3 metres and a height of 4 metres. Paint covers the whole outside of the tank, including the top and the bottom. Use 3.14 for  $\pi$ . How many square metres of paint cover the tank?

# Find the surface area of a cylinder

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**1** 50.24

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**3** 16

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**5** 125.6

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**7** 78

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**9** 131.88

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**2** 18.84

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**4** 188.4

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**6** 48

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**8** 14

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**10** 131.88