**Task card 1** Surface Area of Cones

A cone has a radius of 3 cm and a slant height of 15 cm. Find its surface area in square centimeters. Use $\pi \approx 3.14$.

**Task card 2** Surface Area of Cones

A cone has a radius of 6 in and a slant height of 19 in. Find its surface area in square inches. Use $\pi \approx 3.14$.

**Task card 3** Surface Area of Cones

A cone has a radius of 14 in and a slant height of 17 in. Find its surface area in square inches. Use $\pi \approx 3.14$.

**Task card 4** Surface Area of Cones

A cone has a radius of 15 ft and a slant height of 23 ft. Find its surface area in square feet. Use $\pi \approx 3.14$.

**Task card 5** Surface Area of Cones

A cone has a radius of 13 in and a slant height of 14 in. Find its surface area in square inches. Use $\pi \approx 3.14$.

**Task card 6** Surface Area of Cones

A cone has a radius of 7 cm and a slant height of 19 cm. Find its surface area in square centimeters. Use $\pi \approx 3.14$.

**Task card 7** Surface Area of Cones

A cone has a radius of 8 in and a slant height of 20 in. Find its surface area in square inches. Use π ≈ 3.14.

**Task card 8** Surface Area of Cones

A cone has a radius of 14 in and a slant height of 29 in. Find its surface area in square inches. Use π ≈ 3.14.

**Task card 9** Surface Area of Cones

A cone has a diameter of 16 cm and a slant height of 20 cm. Find its surface area in square centimeters. Use π ≈ 3.14.

**Task card 10** Surface Area of Cones

A cone has a diameter of 18 m and a slant height of 14 m. Find its surface area in square meters. Use π ≈ 3.14.

**Task card 11** Surface Area of Cones

A cone has a diameter of 2 cm and a slant height of 13 cm. Find its surface area in square centimeters. Use π ≈ 3.14.

**Task card 12** Surface Area of Cones

A cone has a diameter of 18 cm and a slant height of 20 cm. Find its surface area in square centimeters. Use π ≈ 3.14.

**Task card 13** Surface Area of Cones

A cone has a diameter of 22 cm and a slant height of 17 cm. Find its surface area in square centimeters. Use π ≈ 3.14.

**Task card 14** Surface Area of Cones

A cone has a diameter of 8 in and a slant height of 8 in. Find its surface area in square inches. Use π ≈ 3.14.

**Task card 15** Surface Area of Cones

A cone has a diameter of 14 cm and a slant height of 19 cm. Find its surface area in square centimeters. Use π ≈ 3.14.

**Task card 16** Surface Area of Cones

A cone has a diameter of 6 ft and a slant height of 6 ft. Find its surface area in square feet. Use π ≈ 3.14.

**Task card 17** Surface Area of Cones

A cone has a radius of 9 in and a slant height of 20 in. Find its surface area in terms of π.

**Task card 18** Surface Area of Cones

A cone has a radius of 3 in and a slant height of 14 in. Find its surface area in terms of π.

**Task card 19** Surface Area of Cones

A cone has a radius of 8 cm and a slant height of 18 cm. Find its surface area in terms of π.

**Task card 20** Surface Area of Cones

A cone has a radius of 12 m and a slant height of 16 m. Find its surface area in terms of π.

**Task card 21** Surface Area of Cones

A cone has a radius of 5 ft and a slant height of 15 ft. Find its surface area in terms of π.

**Task card 22** Surface Area of Cones

A cone has a radius of 3 cm and a slant height of 7 cm. Find its surface area in terms of π.

**Task card 23** Surface Area of Cones

A cone has a radius of 4 in and a slant height of 6 in. Find its surface area in terms of π.

**Task card 24** Surface Area of Cones

A cone has a radius of 2 ft and a slant height of 6 ft. Find its surface area in terms of π.

# Surface Area of Cones Task Cards

Recording sheet · Grade 8 · Use π ≈ 3.14 unless the problem says "in terms of π". l is the slant height.

Scan to check your answers

Name: _____ Date: _____

| | | | |
|---|---|---|---|
| 1 | 2 | 3 | 4 |
| 5 | 6 | 7 | 8 |
| 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 |
| 17 | 18 | 19 | 20 |
| 21 | 22 | 23 | 24 |

# Surface Area of Cones Task Cards: Answer Key

Grade 8 · Medium

The answers online

| | | |
|---|---|---|
| **1.** 169.56 | **2.** 471 | **3.** 1362.76 |
| **4.** 1789.8 | **5.** 1102.14 | **6.** 571.48 |
| **7.** 703.36 | **8.** 1890.28 | **9.** 703.36 |
| **10.** 649.98 | **11.** 43.96 | **12.** 819.54 |
| **13.** 967.12 | **14.** 150.72 | **15.** 571.48 |
| **16.** 84.78 | **17.** 261π | **18.** 51π |
| **19.** 208π | **20.** 336π | **21.** 100π |
| **22.** 30π | **23.** 40π | **24.** 16π |