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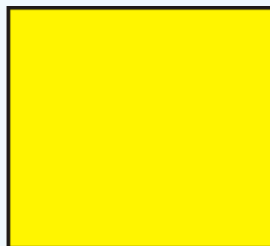
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Surface Area worksheet 6th grade

Questions

1. Find the total surface area of a cube having a side of 4 units.
2. What is the cost of painting a cubical box with a side length of 3 meter at the rate of \$1.50 per square meter?
3. The side of a square increases from 6m to 8m. Find the increase in its surface area.



square

4. Find the total surface area of a cuboid having the dimensions of 2 units, 3 units, and 5 units respectively.
5. Find the Side of a cube having a surface area of 24 square units.

6. Find the curved surface area of a cylinder having a radius of 5 units and a height of 7 units.



7. Find the total surface area of a cylinder having a diameter of 14 units and a height of 10 units.
8. Find the curved surface area of a cylinder having a radius of 5 units and a height of 12 units.
9. What is the ratio of the curved surface area of cylinder and a cone having the same radius?
10. Find the total surface area of a cone having a radius of 8 units, and a height of 15 units.

**When you learn math
in an interesting way,
you never forget.**



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Why choose Cuemath?

"Cuemath is a valuable addition to our family. We love solving puzzle cards. My daughter is now visualizing maths and solving problems effectively!"

- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

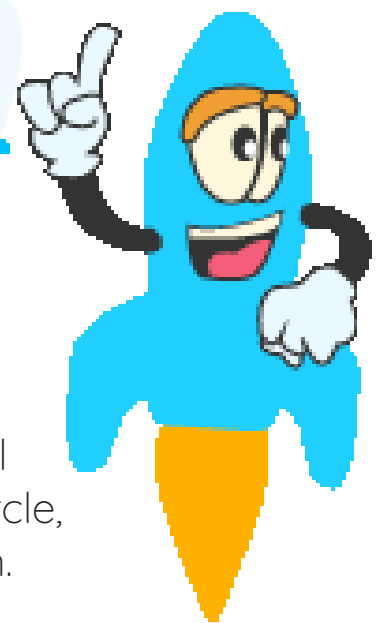
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ANSWERS

(1)	96 square units
(2)	\$81
(3)	28 square meters
(4)	62 square units
(5)	2 units
(6)	220 square units
(7)	238π square units
(8)	120π square units
(9)	2h : L
(10)	200π square units

FUN FACT



1. Surface area can be found for two dimensional figures such as a square, rectangle, triangle, circle, rhombus, parallelogram, quadrilateral, polygon.
2. Human lungs contain about 500 million air pouches for exchange of oxygen. They create a surface area of around half the size of a tennis court.
3. Surface area is used in everyday life wrt Painting / polishing a surface