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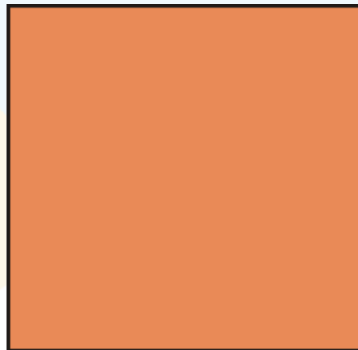
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Surface Area worksheet 6th grade

Questions

1. Find the side of a cube, having a total surface area of 54 square units.
2. What is the cost of painting a cuboid box with dimensions of 5m x 8m x 10m at the rate of \$2 per square meter?
3. The side of a square is doubled. Find the ratio of the old area to the new area.



4. Find the total surface area of a cuboid having the dimensions of 10 units, 15 units, and 20 units respectively.
5. Find the Side of a cube having a surface area of 600 square units.
6. Find the curved surface area of a cylinder having a radius of 9 units and a height of 20 units.

7. Find the total surface area of a cylinder having a diameter of 3 units and a height of 5 units.
8. Find the curved surface area of a conical tent having a radius of 24 m and a height of 10 m.



9. The length, breadth and height of a cuboid has been doubled. Find the ratio of the new surface area to the old surface area.
10. Find the total surface area of a cone having a radius of 8 units, and a slant height of 12 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

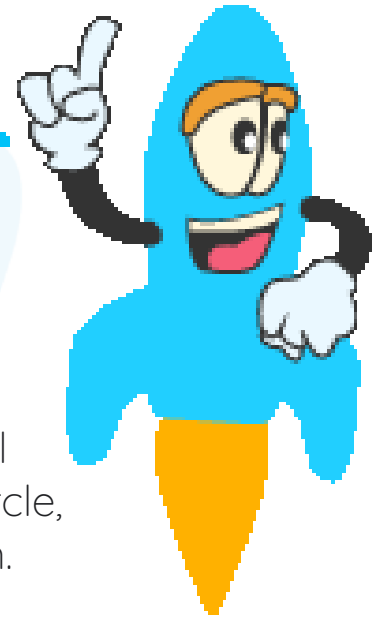
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ANSWERS

(1)	3 units
(2)	340 square meters
(3)	Ratio = 4 : 1
(4)	1300 square units
(5)	10 units
(6)	360π square units
(7)	19.5π square units
(8)	260π square units
(9)	Ratio = 4 : 1
(10)	160π 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