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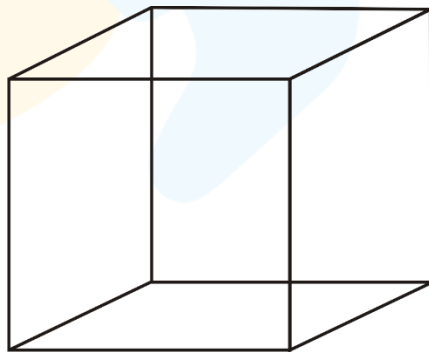
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Surface Area worksheet 6th grade

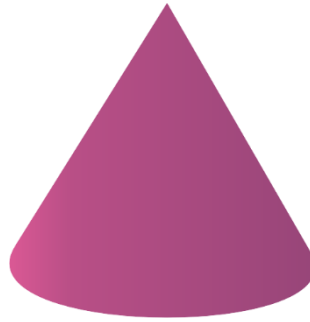
Questions

1. Find the total surface area of a cube having a side of 5 units.
2. What is the cost of painting a cubical box with a side length of 4 meter at the rate of \$2.50 per square meter?
3. The side of a square increases from 3m to 5m. Find the increase in its surface area.
4. Find the total surface area of a cuboid having the dimensions of 4 units, 5 units, and 5 units respectively.
5. Find the Side of a cube having a surface area of 54 square units.

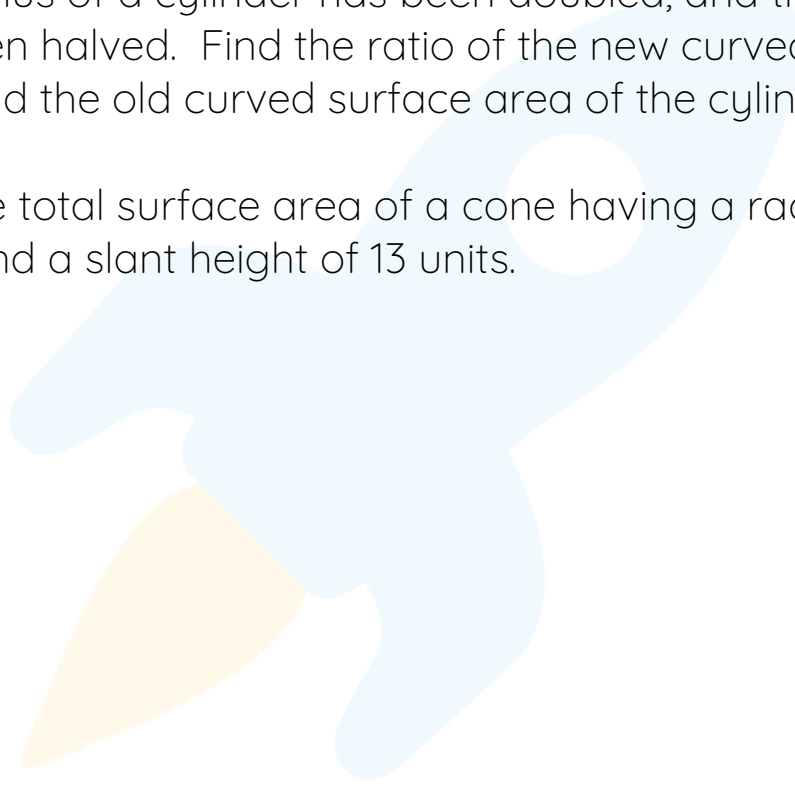


6. Find the curved surface area of a cylinder having a radius of 7units and a height of 10 units.
7. Find the total surface area of a cylinder having a diameter of 10 units and a height of 10.5 units.

8. Find the curved surface area of a cone having a radius of 8 units and a height of 15 units.



9. The radius of a cylinder has been doubled, and the height has been halved. Find the ratio of the new curved surface area and the old curved surface area of the cylinder.
10. Find the total surface area of a cone having a radius of 5 units, and a slant height of 13 units.



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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

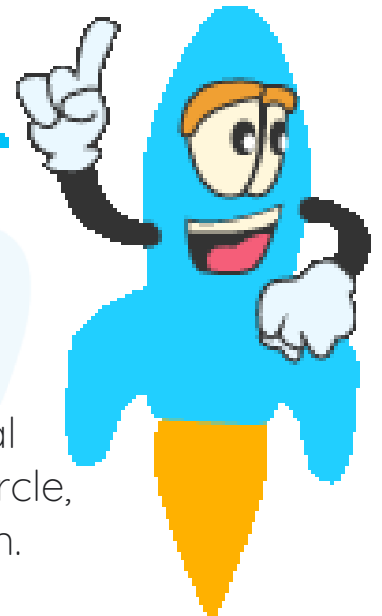
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ANSWERS

(1)	150 square units
(2)	\$240
(3)	16 square meters
(4)	130 square units
(5)	3 units
(6)	440 square units
(7)	155π square units
(8)	240π square units
(9)	Ans -1:1
(10)	90π 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