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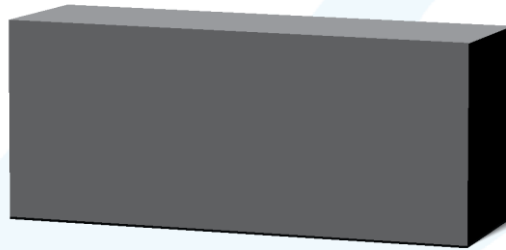
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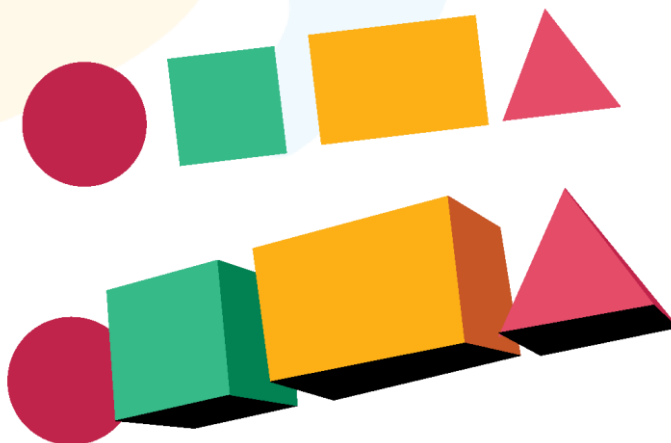
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7th Grade Surface Area Worksheets

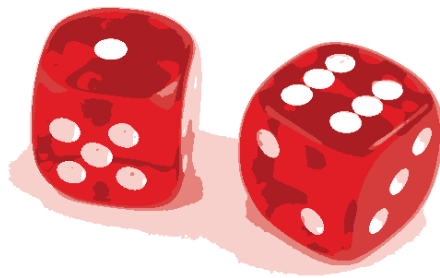
1. The sum of all the areas of all the shapes that cover the object is called _____. The formula of surface area of a cube of is _____.
2. Calculate the total surface area of the cube whose edge is 10 cm.
3. How many identical square surfaces are there in a cube?



4. How many dimensions plane figures and solid figures have respectively?



5. The total surface area of a cubical die is 150 cm^2 . Find the length of each edge?



6. How much gift paper is required to at least fully cover a cubical box of edge length 20 cm?



7. The edge of a cubical room is 5 m. The inner walls are to be painted (inclusive of windows and doors). Find the expenditure to be incurred at the rate of \$5 per square metre.



8. Give two examples for a cuboid.
9. Calculate the lateral surface area of the cube whose edge is 6 cm.
10. The inner perimeter of a rectangular room is 250 m. Its height is 5 m. What is the amount to be spent to paint the walls of the room at the rate of \$3 per square metre. (inclusive of doors and windows)



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in an interesting way,
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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. Surface area $6 \times \text{side}^2$	6. 2400 cm^2
2. 600 cm^2	7. \$500
3. Six	8. Book and gift box.
4. A plane figure has two dimensions of length and breadth while a solid figure has three dimensions of length, breadth, and height.	9. 144 cm^2
5. 5 cm	10. \$3750

FUN FACT

1. The skin of an average adult covers an area of 2 square meters.
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.

