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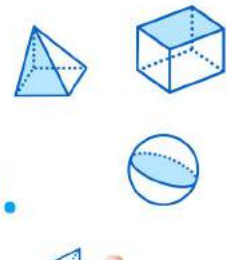

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SURFACE AREA OF A CUBE WORKSHEET III

1) Sum of all the areas except the area of bases of a cube is known as _____.

2) Calculate the total surface area of the cube whose edge is 1 in.

3) If the area the one face of a cube is 4 units. Find the total surface area of the cube.

4) If the total surface area of a Rubik's cube is 216 sq. in. Find the length of the side of the cube.

5) Find the area of the gift paper is required to fully cover the cubical gift box of side length 6 in.

6) If the edge length of a cube is tripled, what is the increase in its surface area?

7) Find the side of a cube having a lateral surface area of 56 square units.

8) If the length of the side of the cube is 44 units.
Then TSA = _____.

9) Find the cost of painting the walls of a cuboidal room if the length of the side of the room is 12 ft, and cost of painting the wall is $45 per sq. ft.

10) If the volume of a cube is 216 cubic units. The total surface area of the cube is _____.

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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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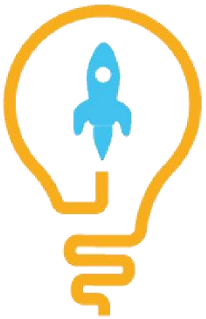

ANSWERS

1)	Lateral surface area
2)	6 sq. in
3)	24
4)	6
5)	216 sq. in
6)	9 times
7)	14
8)	11616
9)	$25920
10)	1536

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.

3. Surface area is used in everyday life:
   Painting/polishing a surface.
   Gift wrap needed for a gift.
   Dimensions of cardboard for making a box etc.