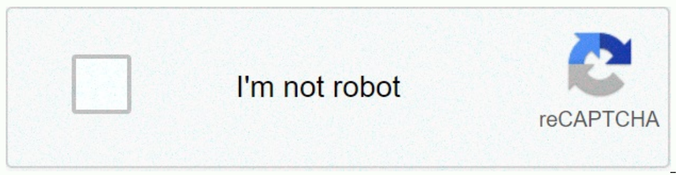

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Surface area and volume review worksheet pdf

Friday, 5/1/2020Perimeter, Area and Surface Area Test (please email this to me when you complete it!) Handouts:Wednesday, 05/27/2020Volume TestHandouts: The spreadsheet in the surface and volume area is for 10th graders, especially for CBSE students. (Each carries 2 marks) 1.Find the side area of the surface and the total surface area of a cuboide whose dimensions are 26 m.14 m and 6.5 m2. The dimensions of a room are 9 m × 8 m × 6.5 m. It has a door of dimensions 2 m × 1.5 m and two windows each of the dimensions 1.5 m x 1 m. Find the cost of washing the white walls at $6.40 per m 2 3. Find the side area of the surface and the total surface area of a 20 cm edge cube. 4. A roll of 150 cm in length has a diameter of 70 cm. To level a playing field, 750 complete revolutions are required. Determine the cost of leveling the playing field at the rate of 75 cents per m 2 5. The diameter of a cylinder is 28 cm and its height is 40 cm. Find the curved surface area, the total surface area, and the volume of the cylinder. 6. The curved surface area of a cone is 4070 cm 2 and its diameter is 70 cm. What's the slanted height? 7. The circumference of the base of a cone is 44 cm and its inclined height is 25 cm. Find the volume and curved surface of the cone. 8. Find the total surface area of a 10 cm radius hemisphere. π=3,14 9. If the radius of a balloon is bent by pumping air into it, find the proportion of the two surface areas. 10. A water reservoir in the form of a cuboide is 6 m long, 5 m wide and 4.5 m deep. Find the tank capacity in liters if 1 m 3 =1000 liters. 11. If the surface of a cube is 864 cm2, find the volume of the cube. 12. The diameters of two cones are the same. If your sloping heights are in the 5:4 ratio, find the ratio of your curved surface area. 13. 50 circular plates, each of 7 cm radius and thickness of 12 cm are placed one above the other to form a solid right circular cylinder. Find the total surface area and cylinder volume. 14. A powder can has a square base with 12 cm sides and height of 17.5 cm. Another is cylindrical with a base diameter of 12 cm and a height of 17.5 cm. Which one has the most capacity and how much? 15. Find the volume, curved surface area and total surface area of a cone whose height the height of the slope is 6 cm and 10 cm respectively. π=3.14. 16. The radius and height of a right circular cone are at reason 5:12. If your volume is 314 cm 3, find your height tilted. 17. The volume of a sphere is 38808 cm 3 . Find your radius and therefore your surface area. 18. The surface areas of two spheres are at the ratio 1:4. Find the proportion of your volumes. 19. One cylinder Solid base radius of 3 cm and height of 5 cm is melted to form a cone height of 1 cm and base radius 1 mm. Find the number of cones formed. 20. A cone is 8.4 cm high and the radius of its base is 2.1 cm. It is melted and reworked into a sphere. Find the radius of the Spreadsheets of surface area spreadsheets - volume worksheet for Home Page Covid-19 has led the world to go through a phenomenal transition. E-learning is the future today. Stay home, stay safe and keep learning!!! Covid-19 affected physical interactions between people. Don't let it affect your learning. report this ad Calculate the volume of the cube shown. Volume = 4 × 18 × 5 = 360 m³ Calculate the cube surface shown. Surface area = (2 × 4 × 18) + (2 × 4 × 5) + (2 × 5 × 18) = 144 + 40 + 180 = 364 m² If you are seeing this message, it means that we are having trouble loading external resources on our site. If you are behind a web filter, make sure that the *.kastatic.org and *.kasandbox.org domains are unlocked. Here is a graphical preview for all surface and volume worksheets. You can select different variables to customize these surface and volume worksheets for your needs. Area & Volume Surface Worksheets are created randomly and will never repeat so you have an infinite supply of surface area quality & volume worksheets to use in the classroom or at home. We identify solid figures, surface area & volume of prisms and cylinders, surface area & volume of pyramids and cones, and

surface area & volume of spheres for their use. Our surface area and volume spreadsheets are free to download, easy to use and very flexible. These Surface Area & Volume Sheets are a great resource for 5th, 6th grade, 7th and 8th grade children. Click here for a detailed description of all surface and volume worksheets. Click the image to take to the surface and volume worksheets. Surface area and volume handout These Surface and Volume Handouts have useful definitions, facts, and formulas for cubes, rectangular prisms, general prisms, cylinders, pyramids, cones, and spheres. These spreadsheets are a great resource for the 5th, 6th Grade, 7th Grade, 8th Grade, 9th Year and 10th Year. Identify solid figure worksheets These surface area and volume worksheets will produce twelve problems identifying different types of solid figures. These spreadsheets are a great resource for the 5th, 6th Grade, 7th Grade, 8th Grade, 9th Year and 10th Year. 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