



Surface Area And Volume Word Problems

Solve:

Tyson has to paint a rectangular room 10 ft x 13 ft x 10 ft in a house. How many square feet will Tyson need to paint (including the floor and ceiling)?

A. 1300 ft^3

B. 720 ft^2

C. 720 ft^3

D. 1300 ft^2

$$\text{Surface area} = 2lw + 2wh + 2hl$$

$$= 2(10)(13) + 2(13)(10) + 2(10)(10)$$

$$= 260 + 260 + 200$$

$$= 720 \text{ ft}^2$$

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Surface Area Word Problems With

Solve word problems that involve surface area of pyramids and prisms. If you're seeing this message, it means we're having trouble loading external resources on our website. If you're behind a web filter, please make sure that the domains *.kastatic.org and *.kasandbox.org are unblocked.

Surface area word problems (practice) | Khan Academy

4 Surface area Word Problems Worksheets with Answers - Encouraged to be able to my website, in this occasion I'll explain to you concerning surface area word problems worksheets with answers And after this, this is actually the very first photograph. Why not consider graphic over? will be which incredible???. if you think therefore, I'll show you several impression all over again underneath:

4 Surface area Word Problems Worksheets with Answers ...

Word problem involving the surface area of a rectangular prism. Advertisements. Previous Page. Next Page . Introduction. In this lesson, we solve word problems involving the surface area of a rectangular prism. Example 1: A rectangular prism has a width of 10 cm, a height of 3 cm and a depth of 7 cm. What is the surface area of the prism? Solution. Step 1: Surface area of figure = $2(lw + wh + hl)$...

Word problem involving the surface area of a rectangular ...

SURFACE AREA AND VOLUME WORD PROBLEMS WORKSHEET. Problem 1 : Erin is making a jewelry box of wood in the shape of a rectangular prism. The jewelry box will have the dimensions shown below. The cost of painting the exterior of the box is \$0.50 per square in. How much does Erin have to spend to paint the jewelry box ? Problem 2 : A metal box that is in the shape of rectangular prism has the ...

Surface Area and Volume Word Problems Worksheet

Surface Area and Volume Mixed Word Problems. Directions: (1) Choose & write whether the problem is asking you to find . SURFACE AREA. or . VOLUME (2) Write the formula which you would use to solve the problem (3) Do STEPS 1 & 2 for all problems before you start solving so we can make sure everyone has the correct formulas to . start (4) Solve

Surface Area and Volume Mixed Word Problems

Word Problems on Surface Area Directions: show all formulas and substitutions. 1. A painter uses a roller to paint a wall. The roller has a radius of 5 inches and a height of 13 inches. In one roll, what is the area of the wall that he will paint? What is the area that he will paint in 3 rolls? Use 3 for π . 2. Maddi bought a gift for her friend. She wants to place the gift in a package with the length of 9 inches,

Name: period: Word Problems on Surface Area

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Solve real-world problems with surface area

Problem 1 : Find the total surface area and the lateral surface area of a cuboid whose length is 20 cm, width is 15 cm and height is 8 cm. Solution : Total surface area is = $2(lw + wh + hl)$ Substitute. = $2[20(15) + 15(8) + 8(20)] = 2 [300 + 120 + 160] = 2(580) = 1160$ cm 2. Lateral surface area is = $2h(l + w)$ Substitute. = $2(8)(20 + 15) = 16(35) = 560$ cm 2. Problem 2 : The dimensions of a ...

Solving Word Problems with Cuboid

This worksheet has an explanatory box to show students how to solve surface area problems. Then there are asked to find the SA for three different rectangular prisms. 6th and 7th Grades. View PDF. Filing Cabinet. Logged in members can use the Super Teacher Worksheets filing cabinet to save their favorite worksheets. Quickly access your most used files AND your custom generated worksheets ...

Surface Area Worksheets

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The word problems offer two levels of difficulty; level 1 comprises word problems to find the area of rectangles and the missing parameters, while level 2 has scenarios to find the area involving unit conversions or finding the cost. Also, included here are word problems to find the area of rectangular shapes. Delve into practice with the free worksheets here!

Area of a Rectangle Word Problems | Worksheets

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Surface Area And Volume Word Problems Worksheets ...

Sphere - solved math word problems, problem solving and knowledge review. Problems count: 105. Mathematics: Word math problems; Worksheets; Calculators; Sphere - math word problems Number of problems found: 105. Twice of radius How many times does the surface of a sphere decrease if we reduce its radius twice? Two hemispheres In a wooden hemisphere with a radius $r = 1$, a hemispherical ...

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In Problems #1 - #4, find the surface area and volume of each prism. 1. CUBE 2. RECTANGULAR PRISM. 9 cm. 9 cm 9 cm. 11 mm 5 mm. 3 mm. 3. TRIANGULAR PRISM 4. TRIANGULAR PRISM. 10 ft 14.5 ft. 6 ft. 16 in. 30 in 9 in. 5. A rectangular prism has a surface area of 448 cm. 2. Its length is 14 cm and its width is 6 cm. Find its height. 6. A cylinder has a radius of 12 cm and a height of 15 cm. Find ...

Geometry 2 - Unit Seven: Surface Area & Volume, Practice ...

• Students determine the surface area of three-dimensional figures in real-world contexts. • Students choose appropriate formulas to solve real-life volume and surface area problems. Lesson 19 Problem Set Solve each problem below. 1. Dante built a wooden, cubic toy box for his son. Each side of the box measures 2 feet. a. How many square ...

Surface Area and Volume in the Real World (solutions ...

Area And Perimeter Word Problems - Displaying top 8 worksheets found for this concept.. Some of the worksheets for this concept are Even more area and perimeter word problems question, Unit 13 homework area and perimeter word problems, Length perimeter and area, S2 block 2, Solving perimeter and area word problems perimeter is the, Geometric word problems, Area and perimeter, Area and perimeter.

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