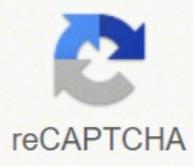




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Volume of triangular prism worksheet and answers

Name: _____ Score: _____

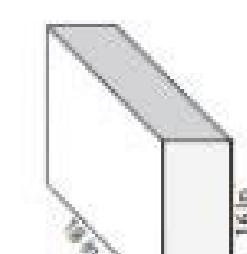
Volume - Rectangular Prism ES1

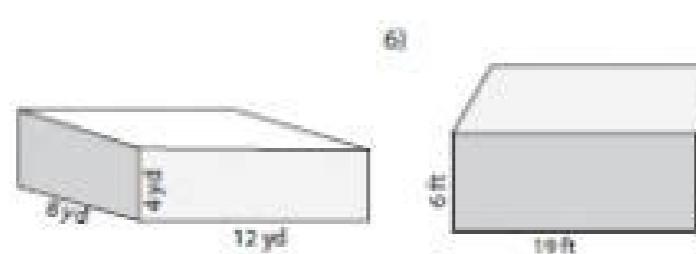
Find the volume of each rectangular prism.

1)  Volume = _____

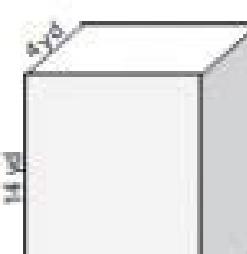
2)  Volume = _____

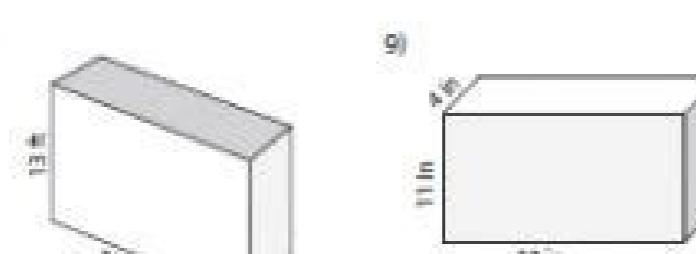
3)  Volume = _____

4)  Volume = _____

5)  Volume = _____

6)  Volume = _____

7)  Volume = _____

8)  Volume = _____

9)  Volume = _____

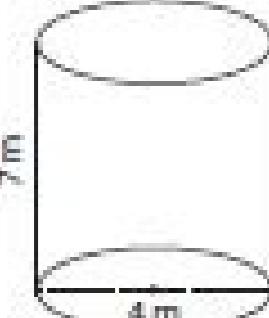
10) A bath tub in the shape of a rectangular prism is 20 feet long, 10 feet wide and 5 feet deep. How much water can it hold?
Volume = _____

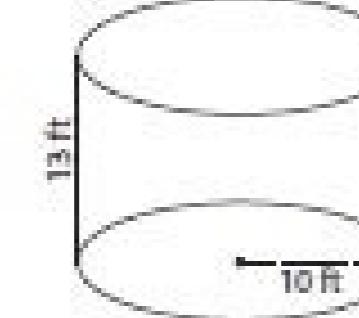
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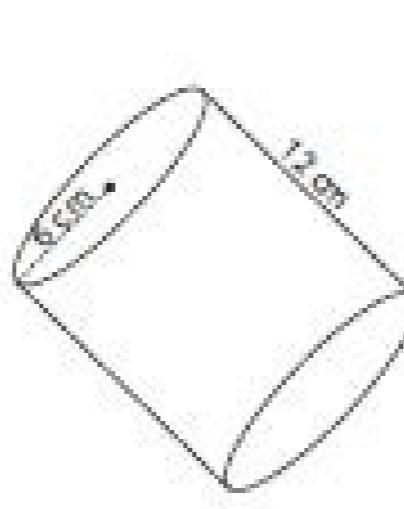
Name: _____ Score: _____

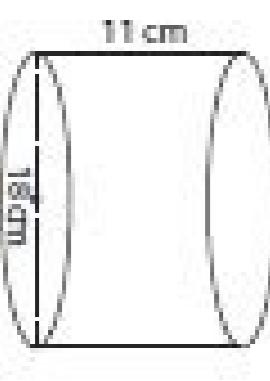
Surface Area - Cylinder

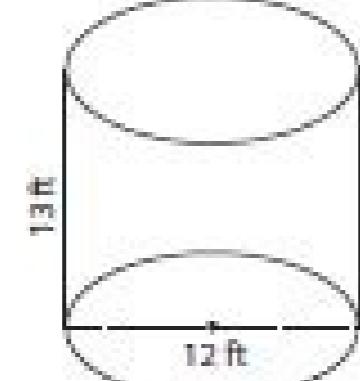
Find the exact surface area of each cylinder.

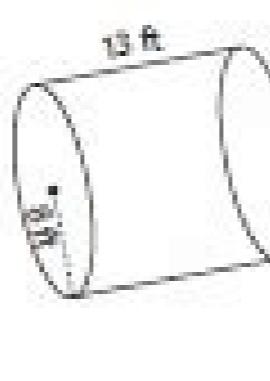
1)  Surface Area = _____

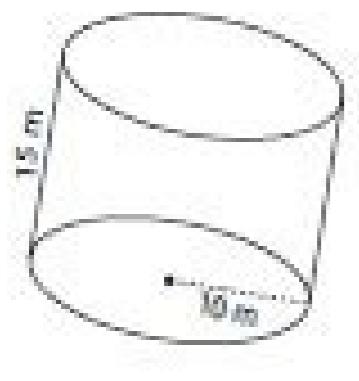
2)  Surface Area = _____

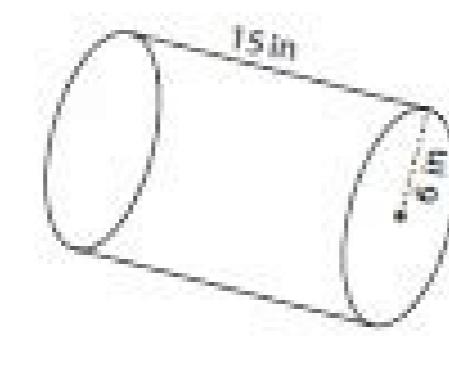
3)  Surface Area = _____

4)  Surface Area = _____

5)  Surface Area = _____

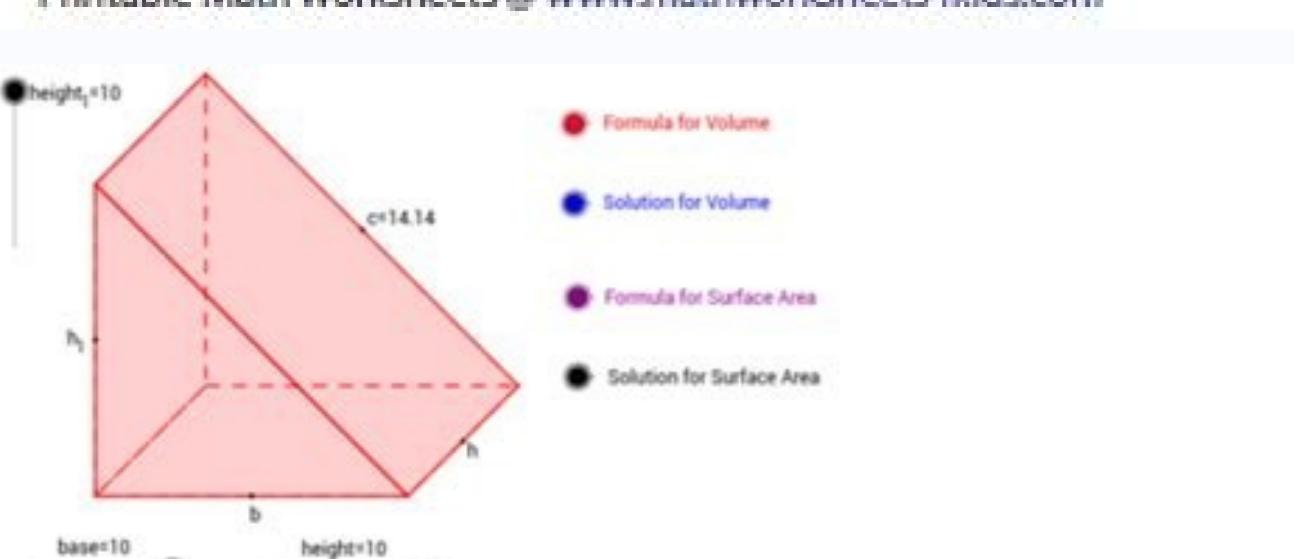
6)  Surface Area = _____

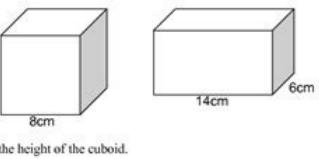
7)  Surface Area = _____

8)  Surface Area = _____

9)  Surface Area = _____

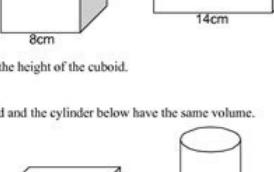
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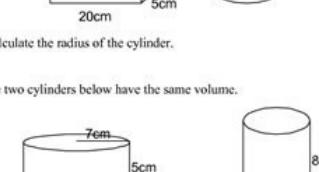


1. The cube and the cuboid below have the same volume.

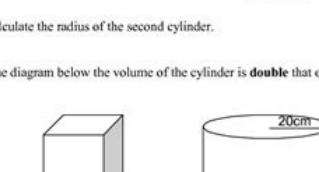
Two small gray cubes are positioned side-by-side. The cube on the left is oriented vertically, showing its front face. The cube on the right is oriented horizontally, showing its top face.



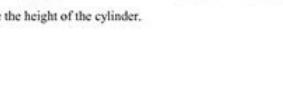
A 3D perspective drawing of a rectangular prism. The front face is a rectangle divided into four quadrants by its diagonals. The top edge of the front face is labeled "8cm".



5cm



A diagram of a rectangular prism. The front face is a rectangle divided into four quadrants by its diagonals. The right edge of the front face is labeled "25cm".



Volume - Cone

Find the exact volume of each cone.

1)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "12 cm". A horizontal line from the center of the base to the edge is labeled "5 cm".

2)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "18 ft". A horizontal line from the center of the base to the edge is labeled "14 ft".

3)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "7 m". A horizontal line from the center of the base to the edge is labeled "3 m".

Volume = _____

Volume = _____

Volume = _____

4)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "9 in". A horizontal line from the center of the base to the edge is labeled "8 in".

Volume = _____

Volume = _____

Volume = _____

5)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "14 m". A horizontal line from the center of the base to the edge is labeled "6 m".

6)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "4 cm". A horizontal line from the center of the base to the edge is labeled "5 cm".

7)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "7 ft". A horizontal line from the center of the base to the edge is labeled "12 ft".

Volume = _____

8)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "9 in". A horizontal line from the center of the base to the edge is labeled "6 in".

Volume = _____

9)

A diagram of a cone. A vertical dashed line from the apex to the center of the circular base is labeled "18 m". A horizontal line from the center of the base to the edge is labeled "8 m".

Volume = _____

10) A party hat has a radius of 15 centimeter and a height of 25 centimeter. Find the volume of air it can occupy.

Volume = _____

Surface area and volume of triangular prism worksheet with answer

With this set of pdf spreadsheets, children add insight, wisdom and depth to its practice of calculating the volume of a triangular prism. CCSS: 7.G.6 You are not here: Geometry >> Volume >> Triangular Prisms Volume of Triangular Prisms | Easy Exclusively dealing with dimensions expressed as integers up to 20, these printed worksheets provide ample practice for 7th and 8th grade students in finding the volume of triangular prisms whose height and leg or base measurements are provided. These print sheets meet the requirements of 7th and 8th grade students. Replace the 2-digit dimensions in $V = \frac{1}{2}bh$ and calculate the volume that the Base Triangle Area multiplied by the height of the triangular prism. Apply appropriate $V = \frac{1}{2}bh$ to determine the volume of triangular prisms. Volume of triangular prisms | Unit conversion Recapitulate the concept of volume calculation of triangular prisms with dimensions expressed in different units. Children must find the area of the triangular base of the prism, and multiply it with the length of the prism, to discover the volume. Volume Using Area | Integer Calculate the volume of a triangular prism by connecting the area of the triangular cross section and the length expressed in integers in the formula $V = \text{Area of the triangular cross section} \times \text{length}$. Volume Using Area | Decimals Each pdf spreadsheet consists of six numbers and two word format problems with the cross section area and length presented as decimals. Use relevant $V = \frac{1}{2}bh$ to calculate the volume. Volume of triangular prisms | Decimal places The measurement of the lower limbs and the height of a triangle angle or the base and height are provided in these pdf sheets. To encourage children to take the concept home with ease and at their own pace, the set of exercises presents only the odd numbered exercises. The first sheet contains 6 problems, the second sheet contains 10 problems, and the third sheet contains 12 problems.