

A

Name _____

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1. What is the volume of a cone with diameter 10 in and height 60 in?

Answer:

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2. A pyramid has a square base with side length 6 feet. If the volume of the pyramid is 240 cubic feet, what is the height?

Answer:

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3. A Snickers bar is 4 inches long, 1 inch wide, and $\frac{3}{4}$ inches tall. What is the total volume of 67 Snickers bars?

Answer:

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4. The largest bowl of cereal ever made was a hemisphere with radius 50 inches. If one box of cereal is 15 inches tall, 12 inches wide, and 2 inches deep, how many boxes would you need to fill the bowl?

Answer:

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5. The largest ice cream scoop ever made had a diameter of 8 feet. If you packed it into a cylindrical tank with diameter 4.6 feet, how long would the tank have to be? Round your answer to the nearest whole number.

Answer:

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6. In a prism with a square base, the height is twice the side length of the square. If the area of the base is 9 square inches, what is the volume of the prism?

Answer:

B

Name _____

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1. What is the volume of a cylinder with diameter 10 in and height 20 in?

Answer:

-
2. The base of a triangular prism is



(measured in feet). If the volume of the prism is 240 cubic feet, what is the height?

Answer:

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3. A Hershey's kiss (the usual size!) is a cone that is 0.8 inches wide and 0.8 inches tall. What is the total volume of 1500 Hershey's kisses? Round your answer to the nearest whole number.

Answer:

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4. A can of Coca-Cola is a cylinder with diameter 2.6 inches and height 4.75 inches. How many cans would you need to fill a rectangular bathtub that is 51.5 inches long, 22.25 inches wide, and 16 inches deep?

Answer:

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5. The largest ice cream scoop ever made had a diameter of 8 feet. If it melted into a cone with radius 4 feet without overflowing, how tall would the cone have to be? Round your answer to the nearest whole number.

Answer:

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6. The height of a square pyramid is 7 inches less than the side length of the square base. If the base area is 81 square inches, what is the volume of the pyramid?

Answer: