Name \_\_\_\_\_



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## Complete.

1.	How much cement is needed to build a sidewalk that is seven hundred sixty-four feet long, four feet wide and five inches thick? Round your answer to the nearest cubic foot.	2.	Captain Howard had his crew paint the smokestack on his ship the Sea Snail. The smokestack is shaped like a cylinder and is 35 feet 9 inches tall. The radius of the smokestack's base is five feet. What is the surface area of the smokestack?
3.	If you have five 5-in by 5-in x 5-in aluminum cubes and superglue them together in a row, what is the surface area of the resulting shape made by the five cubes?	4.	An underground chamber has been discovered in an old mansion. The chamber is thought to have been used for storing ammunition. The dimensions of the chamber are 14 feet by 5 feet by 5 feet. An old ammunition crate was also found in the chamber and it had dimensions of 1 foot by 1 foot by 4 feet. What is the maximum number of ammunition boxes of that size that could be put in the underground chamber?
5.	If a cube with a 6-in side length is sliced in half what is the surface area of the two pieces?	6.	Mr. Bloop has a cylindrical water tank on his farm. It is ten feet long and 2 feet 1 inch in diameter. Water flows out a valve in the bottom of the tank at a rate of 2.9 cubic feet per minute. At that rate, how long will it take to empty the tank when the tank is full?