

1.

Mercury metal is poured into a graduated cylinder that holds exactly 22.5 mL. The mercury used to fill the cylinder weighs 306.0 g. From this information, calculate the density of mercury.

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Calculate the density of sulfuric acid if 35.4 mL of the acid weighs 65.14 g

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A rectangular block of copper metal weighs 1896 g. The dimensions of the block are 8.4 cm by 5.5 cm by 4.6 cm. From this data, what is the density of copper?

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Convert 16.7 inches to feet
(12 inches = 1 foot)

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Convert 4.75 centimeters to meters (100 centimeters = 1 meter)

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7.

Convert 84 miles to
kilometers (0.6 miles= 1
kilometer)

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What volume of silver metal will weigh exactly 2500.0 g. The density of silver is 10.5 g/cm³

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Convert 48,987 minutes to days (60 minutes = 1 hour, 24 hours = 1 day) You may have to do 2 calculations for this conversion.

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28.5 g of iron shot is added to a graduated cylinder containing 45.5 mL of water. The water level rises to the 49.1 mL mark, From this information, calculate the density of iron.

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