



# Convert Metric Units of Capacity and Mass

**CA Standards**  
 AF 1.4, **KEY** AF 2.1, MG 1.0

**Solve each problem by choosing the right expression to convert the units. Show your work.**

**1.** Amy had 12 meters of rope to tie her dog, Rex, to the fence post. How many centimeters of rope did Amy have?

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**3.** Rosa and Tamika both have wading pools. Rosa’s pool can hold 8 L of water. Tamika’s can hold 1,000 milliliters more than Rosa’s. How many milliliters of water can Tamika’s pool hold?

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**5.** Ali decided to paint his tree house. He bought 1,000 milliliters of red paint for the roof. Then he bought 1,000 milliliters of blue paint for the rest of the sides. When he ran out of blue paint, he bought 1 more liter. How many liters of paint did Ali buy in all?

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**2.** Peter grew a pumpkin for the county fair that had a mass of 12,000 grams. What is the mass of Peter’s pumpkin in kilograms?

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**4.** Tom bought new sneakers that had a mass of 1,000 grams more than his old sneakers. His old sneakers had a mass of 1 kilogram. What is the mass in kilograms of Tom’s new sneakers?

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**6.** Tom’s new sneakers were made for basketball. His old sneakers were for playing tennis and had shoelaces that were 50 centimeters each. Both shoelaces on his new basketball shoes equal the total amount of his old tennis shoes, plus 100 centimeters. How many meters end-to-end are Tom’s basketball shoelaces?

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