

Show all work and express your answers in scientific notation.

1. How many milligrams are in ten grams?
2. A metal bar has a length of 3.0 cm, a width of 3.0 cm, and a height of 2.0 cm. What volume of water, in liters, would the bar displace?
3. A beaker has a mass of 125 g. What is the mass of this beaker in decigrams?
4. A liquid is poured into the beaker in question 3, and the mass of the beaker and liquid is 146 g. What is the mass of the liquid in kilograms?
5. A strip of paper has a length of 14 cm. What is the length of the strip of paper in mm? in km?
6. Your next-door neighbor has a little girl who is 3 ft, 5 inches tall. What is the little girl's height measured in inches? in decimeters?