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1) How many significant figures are in each of the values below?

0.0203 g

5000.0  $\mu$ L

42.07 Km

2.00900 mm

2) How many cm are in 9.2 inches? (1 in = 2.54 cm)

3) How many seconds are in 3.1 days?

4) How many ml of mercury are in 146 g of Hg? ( $d_{\text{Hg}} = 13.6 \text{ g/mL}$ )

5) How many miles are in 1.00 inch?