

Problem 1-7

Represent each of the following quantities in the correct SI form using an appropriate prefix:
(a) 0.000 431 kg, (b) $35.3(10^3)$ N, (c) 0.005 32 km.

Solution**Part (a)**

$$0.000\ 431\ \text{kg} = 0.431\ \text{g} = 431\ \text{mg}$$

Part (b)

$$35.3(10^3)\ \text{N} = 35.3\ \text{kN}$$

Part (c)

$$0.005\ 32\ \text{km} = 5.32\ \text{m}$$