

Exercise 65

The diameter of a red blood cell is about 3×10^{-4} in. What is its diameter in centimeters?

Solution

Convert the given distance (3×10^{-4} in) to centimeters by multiplying by the appropriate conversion factor.

$$3 \times 10^{-4} \text{ in} = 3 \times 10^{-4} \cancel{\text{in}} \times \frac{2.54 \text{ cm}}{1 \cancel{\text{in}}} \approx 8 \times 10^{-4} \text{ cm}$$