

Estimating Quantities

Round the number. Write the result as the product of a single digit and a power of 10.

$$\textcircled{1} \quad 9,314,621,388 \approx 9,000,000,000 \\ = 9 \times 10^9$$

$$\textcircled{2} \quad 0.000004987 \approx 0.000005 \\ = 5 \times 10^{-6}$$

$\textcircled{3}$ Multiply 27,687,281 miles by 2 (Estimate).

$$27,687,281 \approx 30,000,000$$

$$= 3 \times 10^7$$

$$= 2(3 \times 10^7)$$

$$= 6 \times 10^7 \text{ miles}$$