

Scientific Notation

$$93,000,000 = 9.3 \times 10^7 \text{ miles}$$

these two digits are retained

93,000,000 miles

7 digits

9.3 $\times 10^7$ miles

instruction: move decimal point seven (7) digits to the right

9.3 $\times 10^7$ miles

decimal part exponent

exponential part