

Operations in Scientific Notation

Add, subtract, multiply, or divide. Write your answer in scientific notation.

① $(3.2 \times 10^7) + (7.81 \times 10^6)$ ② $(6.2 \times 10^{-4}) - (3.8 \times 10^{-5})$

$$32,000,000$$

$$+ 7,810,000$$

$$\hline 39,810,000$$

$$\boxed{3.981 \times 10^7}$$

$$0.000620$$

$$- 0.000038$$

$$\hline 0.000582$$

$$\boxed{5.82 \times 10^{-4}}$$

③ $(6 \times 10^8) \times (3 \times 10^7)$

$$18 \times 10^{15+1}$$

$$\boxed{1.8 \times 10^{16}}$$

④ $(8.96 \times 10^{-3}) \div (3.2 \times 10^{-4})$

$$3.2 \overline{) 8.96} \quad 32 \overline{) 89.6}$$

$$\begin{array}{r} 2.8 \\ -64 \\ \hline 256 \end{array}$$

$$\boxed{2.8 \times 10^1}$$