

Multiplying and Dividing with Scientific Notation

No calculators needed.

1. $(2 \times 10^7) \cdot (1.1 \times 10^4)$

2. $(1.2 \times 10^3) \cdot (3 \times 10^5)$

3. $(4 \times 10^3) \cdot (2 \times 10^9)$

4. $(3 \times 10^{-4}) \cdot (3 \times 10^8)$

5. $(5 \times 10^8) \cdot (3 \times 10^8)$

6. $(8 \times 10^2) \cdot (7 \times 10^7)$

7. $(6 \times 10^{-4}) \cdot (4 \times 10^{-3})$

8. $(5 \times 10^{-10}) \cdot (8 \times 10^4)$

9. $(7 \times 10^5) \cdot (2 \times 10^4) \cdot (2 \times 10^3)$

10. $(5 \times 10^7) \cdot (2 \times 10^{-4}) \cdot (4 \times 10^6)$

$$11. \frac{8 \times 10^{10}}{2 \times 10^7}$$

$$12. \frac{9 \times 10^9}{3 \times 10^{-4}}$$

$$13. \frac{1.2 \times 10^6}{6 \times 10^3}$$

$$14. \frac{16 \times 10^4}{2 \times 10^6}$$

$$15. \frac{2.4 \times 10^5}{1.2 \times 10^7}$$

$$16. \frac{1.0 \times 10^{17}}{2 \times 10^{11}}$$

$$17. \frac{7 \times 10^6}{2 \times 10^{-2}}$$

$$18. \frac{(5 \times 10^6)(2 \times 10^3)(3 \times 10^3)}{(5 \times 10^4)} =$$

$$19. \frac{(4 \times 10^6)(2 \times 10^3)}{(8 \times 10^{-4})(2 \times 10^4)} =$$

$$20. \frac{(4 \times 10^6)(5 \times 10^{-3})}{(8 \times 10^{-4})(5 \times 10^3)} =$$