

Standard Index Form

Write the following standard numbers in ordinary form.

1) 3.5×10^6 = _____

2) 2.7×10^3 = _____

3) 1.25×10^{-5} = _____

4) 2.2545×10^5 = _____

5) 7.2×10^{-3} = _____

Write the following numbers into standard index form.

6) 12500000 = _____

7) 234500 = _____

8) 0.0000142 = _____

9) 0.0000368 = _____

10) 154750000 = _____

11) 72×10^{-3} = _____

12) 280×10^3 = _____

13) 0.0000272×10^4 = _____

14) 0.00047×10^{-3} = _____

15) 36×10^{-7} = _____

Simplify and write your answer in standard index form.

$$16. \quad (1.2 \times 10^3) \times (1.2 \times 10^7) = \underline{\hspace{2cm}}$$

$$17. \quad (4.2 \times 10^4) \div (2.1 \times 10^6) = \underline{\hspace{2cm}}$$

$$18. \quad (6.3 \times 10^9) \div (2.1 \times 10^{-4}) = \underline{\hspace{2cm}}$$

$$19. \quad (3 \times 10^7) \times (4 \times 10^9) = \underline{\hspace{2cm}}$$

$$20. \quad (6 \times 10^9) \div (3 \times 10^3) = \underline{\hspace{2cm}}$$

$$21. \quad (18 \times 10^8) \div (6 \times 10^2) = \underline{\hspace{2cm}}$$

$$22. \quad (4 \times 10^9) \times (3 \times 10^{-2}) = \underline{\hspace{2cm}}$$

$$23. \quad (3 \times 10^6) \times (5 \times 10^{-4}) = \underline{\hspace{2cm}}$$

$$24. \quad (8 \times 10^6) \div (2 \times 10^{18}) = \underline{\hspace{2cm}}$$

$$25. \quad (12 \times 10^6) \div (24 \times 10^{18}) = \underline{\hspace{2cm}}$$