

Test Practice - Scientific Notation

Date_____

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Write each number in scientific notation.

1) 30400

2) 0.07×10^{-4}

3) 0.0000451

4) 0.02×10^{-1}

5) 6.8

6) 1880000

Write each number in decimal notation.

7) 2.5×10^6

8) 4.58×10^{-3}

9) 9.2×10^{-3}

10) 2.6×10^1

11) 7.15×10^6

12) 9×10^2

Simplify. Write each answer in scientific notation.

13) $(9.6 \times 10^{-3})(3.99 \times 10^0)$

14) $(7.3 \times 10^{-1})(6.4 \times 10^3)$

15) $\frac{8.9 \times 10^1}{5.3 \times 10^{-2}}$

16) $(7.29 \times 10^6)(8 \times 10^{-2})$

17) $(6.74 \times 10^{-6})^{-1}$

18) $\frac{6.13 \times 10^{-2}}{4.9 \times 10^{-1}}$

19) $\frac{3 \times 10^0}{8.38 \times 10^2}$

20) $(3.2 \times 10^5)^{-3}$

$$21) (7.7 \times 10^2)^4$$

$$22) (1.3 \times 10^{-4})(5.9 \times 10^0)$$

$$23) (8.83 \times 10^0)^6$$

$$24) \frac{2.4 \times 10^5}{8.8 \times 10^2}$$

$$25) \frac{9.99 \times 10^3}{1.8 \times 10^{-1}}$$

$$26) \frac{6 \times 10^{-3}}{9.8 \times 10^{-2}}$$