

Review Scientific Notation

Date _____ Period _____

Write each number in scientific notation.

1) 0.016

2) 0.000000676

3) 20000

4) 0.7

5) 5900

6) 9850000

Write each number in standard notation.

7) 5.3×10^{-3}

8) 3.4×10^1

9) 6.71×10^9

10) 8×10^4

11) 6.8×10^8

12) 6.8×10^{-4}

Simplify. Write each answer in scientific notation.

13) $(4 \times 10^2)(7.2 \times 10^{-2})$

14) $(2 \times 10^4)(6.25 \times 10^0)$

15) $(2.92 \times 10^0)(2 \times 10^1)$

16) $(1.9 \times 10^{-5})(4 \times 10^2)$

17) $\frac{3.6 \times 10^4}{2 \times 10^6}$

18) $\frac{6.8 \times 10^{-6}}{2 \times 10^0}$

19) $\frac{3.1 \cdot 10^{-3}}{3.1 \cdot 10^4}$

20) $\frac{6.6 \cdot 10^6}{3.3 \cdot 10^{-6}}$

Review Scientific Notation

Write each number in scientific notation.

1) 0.016

1.6×10^{-2}

2) 0.000000676

6.76×10^{-7}

3) 20000

2×10^4

4) 0.7

7×10^{-1}

5) 5900

5.9×10^3

6) 9850000

9.85×10^6

Write each number in standard notation.

7) 5.3×10^{-3}

0.0053

8) 3.4×10^1

34

9) 6.71×10^9

6710000000

10) 8×10^4

80000

$$11) 6.8 \times 10^8$$

$$680000000$$

$$12) 6.8 \times 10^{-4}$$

$$0.00068$$

Simplify. Write each answer in scientific notation.

$$13) (4 \times 10^2)(7.2 \times 10^{-2})$$

$$2.88 \times 10^1$$

$$14) (2 \times 10^4)(6.25 \times 10^0)$$

$$1.25 \times 10^5$$

$$15) (2.92 \times 10^0)(2 \times 10^1)$$

$$5.84 \times 10^1$$

$$16) (1.9 \times 10^{-5})(4 \times 10^2)$$

$$7.6 \times 10^{-3}$$

$$17) \frac{3.6 \times 10^4}{2 \times 10^6}$$

$$1.8 \times 10^{-2}$$

$$18) \frac{6.8 \times 10^{-6}}{2 \times 10^0}$$

$$3.4 \times 10^{-6}$$

$$19) \frac{3.1 \cdot 10^{-3}}{3.1 \cdot 10^4}$$

$$10^{-7}$$

$$20) \frac{6.6 \cdot 10^6}{3.3 \cdot 10^{-6}}$$

$$2 \cdot 10^{12}$$