

Name _____

Date _____ Period _____

Write each number in scientific notation.

1) 543

2) 0.973

3) 3600

4) 0.00054

5) 0.00000000147

6) 526000000

Write each number in standard notation.

7) 6.8×10^2

8) 7×10^{-2}

9) 7.42×10^9

10) 1.2×10^{-5}

Write each number in CORRECT scientific notation.

11) 7300×10^3

12) 0.009×10^{13}

13) 994×10^{-10}

14) 0.0038×10^2

Simplify. Write each answer in scientific notation.

15) $8 \times 10^3 + 6.45 \times 10^4$

16) $9.5 \times 10^5 - 5 \times 10^4$

17) $(7.76 \times 10^{-4})(5.8 \times 10^{-7})$

18) $(7.3 \times 10^{-6})(6.2 \times 10^4)$

19) $\frac{7.44 \cdot 10^4}{7.3}$

20) $\frac{1.1 \times 10^9}{7 \times 10^{-4}}$

Name _____

Date _____ Period _____

Write each number in scientific notation.

1) 543

5.43×10^2

2) 0.973

9.73×10^{-1}

3) 3600

3.6×10^3

4) 0.00054

5.4×10^{-4}

5) 0.00000000147

1.47×10^{-9}

6) 526000000

5.26×10^8

Write each number in standard notation.

7) 6.8×10^2

680

8) 7×10^{-2}

0.07

9) 7.42×10^9

7420000000

10) 1.2×10^{-5}

0.000012

Write each number in CORRECT scientific notation.

11) 7300×10^3

$7.3 \cdot 10^6$

12) 0.009×10^{13}

$9 \cdot 10^{10}$

13) 994×10^{-10}

$9.94 \cdot 10^{-8}$

14) 0.0038×10^2

$3.8 \cdot 10^{-1}$

Simplify. Write each answer in scientific notation.

15) $8 \times 10^3 + 6.45 \times 10^4$

$7.25 \cdot 10^4$

16) $9.5 \times 10^5 - 5 \times 10^4$

$9 \cdot 10^5$

17) $(7.76 \times 10^{-4})(5.8 \times 10^{-7})$

4.501×10^{-10}

18) $(7.3 \times 10^{-6})(6.2 \times 10^4)$

4.526×10^{-1}

19) $\frac{7.44 \cdot 10^4}{7.3}$

$1.019 \cdot 10^4$

20) $\frac{1.1 \times 10^9}{7 \times 10^{-4}}$

1.571×10^{12}