

Sig Fig Practice

Name: _____

Date: _____

1. $12,322 \div 0.030 =$ 410,000

2. $12.40 \times 200 =$ 2000

3. $1.20 \times 10^{-8} \div 4.911 \times 10^{-17} =$ 2.44×10^8

4. $2000 \div 1.33 =$ 2000

5. $450,000 \times 12.4 =$ 5,600,000

6. $320.00 \times 108 =$ 34,600

7. $42 \div 2 =$ 20

8. $530 \times 3 =$ 2000

9. $0.0031 \times 422,000 =$ 1300

10. $(2.450 \times 10^6)(2.0 \times 10^6) =$ 4.9×10^{12}

11. $(5.369 \times 10^{12}) / (2.89 \times 10^7) =$ 1.86×10^5

12. Convert the following numbers to scientific notation:

a) 45,010,000,000

4.501×10^{10}

b) 0.0000007630

7.630×10^{-7}

13. Convert the following numbers to standard notation:

a) 4.300×10^{-8}

0.00000004300

b) 5.8301×10^7

58,301,000

14. Solve the following problems. Keep your answer in scientific notation and use the correct number of significant figures.

a) $(2.22 \times 10^{-12}) \div (4.10 \times 10^{-33}) =$ 5.41×10^{20}

b) $(6.32 \times 10^{-32}) \div (8.19 \times 10^{-36}) =$ 7.72×10^3