Name: _____

Multiplying and Dividing in Scientific Notation

Multiply or divide. Write each answer in scientific notation.

1. $(1.1 \times 10^{-5}) \times (2.9 \times 10^{4}) =$ _____
2. $(4.1 \times 10^{3}) \times (1.8 \times 10^{4}) =$ _____
3. $(2.4 \times 10^{7}) \times (2.3 \times 10^{-1}) =$ _____
4. $(2.2 \times 10^{0}) \times (1.4 \times 10^{2}) =$ _____
5. $(4.5 \times 10^{-1}) \times (2.2 \times 10^{-3}) =$ _____
6. $(2.7 \times 10^{2}) \times (3.9 \times 10^{0}) =$ _____
7. $(2.2 \times 10^{6}) \times (4.9 \times 10^{-3}) =$ _____
8. $(6.75 \times 10^{3}) \div (1.5 \times 10^{-3}) =$ _____
9. $(5.4 \times 10^{-3}) \div (1.2 \times 10^{2}) =$ _____
10. $(11.04 \times 10^{2}) \div (4.6 \times 10^{2}) =$ _____
11. $(2.53 \times 10^{1}) \div (2.3 \times 10^{-3}) =$ _____
12. $(15.4 \times 10^{1}) \div (3.5 \times 10^{7}) =$ _____
13. $(4.48 \times 10^{5}) \div (3.2 \times 10^{6}) =$ _____
14. $(3.5 \times 10^{3}) \times (4.9 \times 10^{-4}) =$ _____
15. $(12.48 \times 10^{-2}) \div (3.2 \times 10^{7}) =$ _____
16. $(2.6 \times 10^{1}) \times (4.7 \times 10^{5}) =$ _____

Name: **ANSWER KEY**

Multiplying and Dividing in Scientific Notation

Multiply or divide. Write each answer in scientific notation.

1. $(1.1 \times 10^{-5}) \times (2.9 \times 10^{4}) =$ 3.19×10^{-1}
2. $(4.1 \times 10^{3}) \times (1.8 \times 10^{4}) =$ 7.38×10^{7}
3. $(2.4 \times 10^{7}) \times (2.3 \times 10^{-1}) =$ 5.52×10^{6}
4. $(2.2 \times 10^{0}) \times (1.4 \times 10^{2}) =$ 3.08×10^{2}
5. $(4.5 \times 10^{-1}) \times (2.2 \times 10^{-3}) =$ 9.9×10^{-4}
6. $(2.7 \times 10^{2}) \times (3.9 \times 10^{0}) =$ 1.053×10^{3}
7. $(2.2 \times 10^{6}) \times (4.9 \times 10^{-3}) =$ 1.078×10^{4}
8. $(6.75 \times 10^{3}) \div (1.5 \times 10^{-3}) =$ 4.5×10^{6}
9. $(5.4 \times 10^{-3}) \div (1.2 \times 10^{2}) =$ 4.5×10^{-5}
10. $(11.04 \times 10^{2}) \div (4.6 \times 10^{2}) =$ 2.4×10^{0}
11. $(2.53 \times 10^{1}) \div (2.3 \times 10^{-3}) =$ 1.1×10^{4}
12. $(15.4 \times 10^{1}) \div (3.5 \times 10^{7}) =$ 4.4×10^{-6}
13. $(4.48 \times 10^{5}) \div (3.2 \times 10^{6}) =$ 1.4×10^{-1}
14. $(3.5 \times 10^{3}) \times (4.9 \times 10^{-4}) =$ 1.715×10^{0}
15. $(12.48 \times 10^{-2}) \div (3.2 \times 10^{7}) =$ 3.9×10^{-9}
16. $(2.6 \times 10^{1}) \times (4.7 \times 10^{5}) =$ 1.222×10^{7}