

Scientific notation

Write the number in scientific notation.

1. 8,000 = _____

2. 0.0037 = _____

3. 6,600 = _____

4. 0.00045 = _____

5. 0.00024 = _____

6. 0.0009 = _____

7. 65,000 = _____

8. 0.08 = _____

9. 0.04 = _____

10. 0.0013 = _____

11. 230,000 = _____

12. 260,000 = _____

Standard form

Write the number in standard form.

1. $7.5 \times 10^{-2} =$ _____

2. $9.6 \times 10^{-3} =$ _____

3. $7.4 \times 10^4 =$ _____

4. $1 \times 10^{-2} =$ _____

5. $6.4 \times 10^5 =$ _____

6. $9.7 \times 10^{-3} =$ _____

7. $9 \times 10^{-4} =$ _____

8. $6.1 \times 10^3 =$ _____

9. $1 \times 10^5 =$ _____

10. $6.1 \times 10^5 =$ _____

11. $1.2 \times 10^{-4} =$ _____

12. $8.1 \times 10^{-2} =$ _____

Multiply

Multiply. Write the product in scientific notation.

1. $(5 \times 10^4) \times (8 \times 10^1) =$ _____

2. $(2 \times 10^4) \times (8 \times 10^{-2}) =$ _____

3. $(7 \times 10^4) \times (5 \times 10^2) =$ _____

4. $(9 \times 10^2) \times (7 \times 10^1) =$ _____

5. $(5 \times 10^4) \times (4 \times 10^{-2}) =$ _____

6. $(3 \times 10^{-4}) \times (6 \times 10^{-3}) =$ _____

7. $(3 \times 10^3) \times (2 \times 10^{-4}) =$ _____

8. $(7 \times 10^3) \times (9 \times 10^{-3}) =$ _____

9. $(2 \times 10^2) \times (6 \times 10^1) =$ _____

10. $(6 \times 10^2) \times (5 \times 10^{-4}) =$ _____

11. $(5 \times 10^2) \times (2 \times 10^{-2}) =$ _____

12. $(2 \times 10^3) \times (4 \times 10^4) =$ _____

Divide

Divide. Write the quotient in scientific notation.

1. $(8 \times 10^4) \div (5 \times 10^3) =$ _____

2. $(5 \times 10^2) \div (2 \times 10^1) =$ _____

3. $(2 \times 10^3) \div (5 \times 10^{-2}) =$ _____

4. $(2 \times 10^{-1}) \div (8 \times 10^1) =$ _____

5. $(3 \times 10^2) \div (5 \times 10^{-1}) =$ _____

6. $(9 \times 10^1) \div (2 \times 10^2) =$ _____

7. $(6 \times 10^{-2}) \div (2 \times 10^{-1}) =$ _____

8. $(3 \times 10^{-3}) \div (2 \times 10^{-2}) =$ _____

9. $(4 \times 10^4) \div (4 \times 10^{-1}) =$ _____

10. $(7 \times 10^1) \div (7 \times 10^{-3}) =$ _____

11. $(6 \times 10^3) \div (5 \times 10^{-2}) =$ _____

12. $(2 \times 10^{-1}) \div (5 \times 10^2) =$ _____