Write each number in Standard Notation (decimal notation)

2310200.

$$(5) \cdot (6) = 30$$

$$(5) \cdot (6) = 30$$

 \downarrow^{2}
 $(10) \cdot (3) = 30$

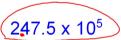
When one part of product is doubled the other part must be halved for the product to be the same

Write each number in scientific notation

1. 0.002301

2. 23,918,

2.301 × 103 2.3918 × 104



Why isn't this number in scientific notation?

Write this number in scientific notation

9 2.475 x 107

Write each in Scientific Notation

Find this quotient using your calculator. Give your answer in both scientific and standard notation

$$\frac{5.76 \times 10^4}{360,000,000}$$

$$(5.76 E 4)/(360,000,000)$$

 $1.6E-4 = 1.6 \times 10^{-4}$

Find the product of these two numbers using your calculator. Give your answer in both scientific notation and standard notation.

$$(2.5 \times 10^5)(1.4 \times 10^4)$$

$$3.5 \times 10^9$$

Find this product without using your calculator. Give your answer in scientific notation.

$$(6.0 \times 10^3)(4.0 \times 10^7)$$

For each problem find two numbers that meet both conditions.

- a. Multiplies to -39 and adds to -10
- b. Multiplies to 51 and adds to -20 $-\frac{3}{2}i$
- c. Multiplies to -64 and adds to 30 + 32 i c
- d. Multiplies to 24 and adds to 25