Write each number in Standard Notation
(decimal notation)

1. 5.02×10^{-4}
2. 2.3102×10^{6}

2310200.

.00502

Write each number in scientific notation

1. 0.002301
2. 23,918.

2.301×10^{-3} 2.3918×10^{4}

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

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x2 ↓ ÷2 ↓

$(10) \bullet (3) = 30$

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

247.5×10^{5}

Why isn't this number in scientific notation?

2.475,0000.

Write this number in scientific notation

2.475×10^{7}

Write each in Scientific Notation

1. 621.1×10^{-5}

6.211×10^{-3}

2. 0.0052×10^{6}

5.2×10^{3}

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

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

3,500,000,000

3.5×10^{9}

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

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

24×10^{10}

2.4×10^{11}

For each problem find two numbers that meet both conditions.

a. Multiplies to –39 and adds to –10

1 · 39

3 · 13

3 ; −13

b. Multiplies to 51 and adds to –20

−3 ; −17

c. Multiplies to –64 and adds to 30

1 64

2 32

+32 ; −2

d. Multiplies to 24 and adds to 25

+24 ; +1