Where Should You Take a Lost Salad?

Write the letter of each exercise in the box containing the number of the answer.

Write the number in scientific notation.

E. 6,100,000,000 (world population on January 1, 2000)
6. 6.1×10^{9} **13.** 6.1×10^{8}

D. 276,000,000,000,000 mi (distance from Earth to the North Star)
17. 2.76×10^{14} mi **22.** 2.76×10^{15} mi

T. 0.00074 cm (diameter of a red blood cell)
2. 7.4×10^{-3} cm **4.** 7.4×10^{-4} cm

A. 0.000000000000000000000003 g (mass of a water molecule)
8. 3×10^{23} g **15.** 3×10^{-23} g

Write the number in scientific notation.

O. 29.5×10^{4}	**2.** 2.95×10^{5}	**12.** 2.95×10^{3}
D. 33.8×10^{-4}	**1.** 3.38×10^{-2}	**13.** 3.38×10^{-3}
N. 94.44×10^{9}	**11.** 9.444×10^{8}	**22.** 9.444×10^{10}
T. 75×10^{-9}	**19.** 7.5×10^{-11}	**8.** 7.5×10^{-8}

Express each factor in scientific notation, then multiply. Express the product in scientific notation.

U. (3,000,000)(20,000)	**10.** 6×10^{11}	**21.** 6×10^{10}
E. (45,000,000)(0.0018)	**12.** 8.1×10^{4}	**23.** 8.1×10^{2}
T. (0.00026)(0.000037)	**11.** 9.62×10^{-8}	**1.** 9.62×10^{-9}
O. (900,000)(4000)	**9.** 3.6×10^{9}	**18.** 3.6×10^{10}
F. (85,000)(5,200,000,000)	**7.** 4.42×10^{11}	**19.** 4.42×10^{14}
H. (0.04)(0.0007)	**14.** 2.8×10^{-4}	**5.** 2.8×10^{-5}
S. (6000)(0.00000006)	**3.** 3.6×10^{-3}	**11.** 3.6×10^{-4}
D. (0.00058)(93,000,000)	**23.** 5.394×10^{4}	**16.** 5.394×10^{2}

Three numbers in scientific notation are given below. Answer the three questions about them.

a. 3.2×10^{8} b. 6.4×10^{8} c. 3.2×10^{9}

N. How does **b** compare to **a**?		
O. How does **c** compare to **a**?	**20.** 10 times larger	**18.** half as large
S. How does **a** compare to **c**?	**16.** twice as large	**10.** $\frac{1}{10}$ as large

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23