1   What is the value of n if the number 0.0000082 is written in the form 8.2×10^n ?
    (1) -6   (3) 5
    010911a   (2) -5   (4) 6

2   If $6.54 \times 10^n = 65,400$, what is the value of n?
    (1) 5   (3) -3
    080801a   (2) -5   (4) 4

3   Expressed in scientific notation, the number 4,600,000,000 is
    (1) 4.6×10^{-8} (3) 4.6×10^9
    060808a   (2) 4.6×10^{-9} (4) 0.46×10^{10}

4   The video of the movie Star Wars earned $193,500,000 in rental fees during its
    first year. Expressed in scientific notation, the number of dollars earned is
    080715a   (1) 1935×10^8 (3) 1.935×10^6
    (2) 193.5×10^6 (4) 1.935×10^8

5   According to the 2000 census, the population of New York State was
    approximately 18,900,000. How is this number expressed in scientific
    060720a   notation?
    (1) 1890×10^4 (3) 1.89×10^7
    (2) 18.9×10^6 (4) 189×10^5

6   A micron is a unit used to measure specimens viewed with a microscope. One
    micron is equivalent to 0.00003937 inch. How is this number expressed in
    080607a   scientific notation?
    (1) 3.937×10^{-5} (3) 3937×10^{-8}
    (2) 3.937×10^5 (4) 3937×10^8

7   The size of a certain type of molecule is 0.00009078 inch. If this number is
    expressed as 9.078×10^n, what is the value of n?
    010609a   (1) -5   (3) -8
    (2) 5   (4) 8

8   The expression 0.62×10^3 is equivalent to
    (1) 0.062   (3) 6.2×10^4
    080511a   (2) 62,000   (4) 6.2×10^2

9   The mass of an orchid seed is approximately 0.0000035 gram. Written in
    scientific notation, that mass is equivalent to 3.5×10^n. What is the value of n?
    060504a   (1) -8   (3) -6
    (2) -7   (4) -5