



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet Solution 58
EXPONENTS

Date: 20.07.20
Full Marks: 15

Choose the correct options:

- How would you write 564,000,000 in scientific notation?
(a) 5.64×10^{-7}
(b) 5.64×10^6
(c) **5.64×10^8**
(d) 56.4×10^7
- The rule of scientific notation is to write all exponents with a base of _____.
(a) 50
(b) 5
(c) 100
(d) **10**
- How do you write 1001 in scientific notation?
(a) 1.0001×10^4
(b) 1.01×10^5
(c) **1.001×10^3**
(d) 10.1×10^3
- Express the following in scientific notation: .000457
(a) 457×10^6
(b) 457×10^{-6}
(c) 4.57×10^4
(d) **4.57×10^{-4}**
- What is scientific notation?
(a) A long way to write really short numbers
(b) **A short way to write really long numbers**
(c) I don't know...
(d) None of the above
- How do you write 8.317×10^6 in standard form?
(a) 8, 371, 000, 000
(b) 83, 170, 000
(c) 837, 100
(d) **8, 317, 000**
- Which of the following is correct scientific notation?
(a) 20.35×10^4
(b) $.2035 \times 10^4$
(c) 2035^4
(d) **2.035×10^4**
- When your exponent is negative, you move your decimal....
(a) to the right
(b) **to the left**
(c) to both sides
(d) nowhere.... the decimal goes nowhere
- ANY number raised to a power of 0 will be....
(a) 10
(b) itself
(c) **1**
(d) 0

10. Express the following in scientific notation: 0.000 000 220 3
- (a) $.02203 \times 10^7$
 - (b) 22.03×10^{-6}
 - (c) **2.203×10^{-7}**
 - (d) 22.03×10^6
11. Express the following in scientific notation: .000 045
- (a) **4.5×10^{-5}**
 - (b) 45×10^{-6}
 - (c) 4.5×10^5
 - (d) 45×10^6
12. Express the following in scientific notation: 1010.10
- (a) **1.01010×10^3**
 - (b) 1.01010×10^5
 - (c) 1.01010×10^{-3}
 - (d) 1.01010×10^{-5}
13. How would you write 4.3756×10^4 in standard (decimal) form?
- (a) 437,560,000
 - (b) 0.00043756
 - (c) **43,756**
 - (d) 4,3756
14. How would you write 0.0005 in scientific notation?
- (a) 50×10^5
 - (b) **5×10^{-4}**
 - (c) 5×10^3
 - (d) $.5 \times 10^3$
15. How would you write 5.6×10^{-3} in standard form?
- (a) 0.00506
 - (b) 5,600
 - (c) 0.00056
 - (d) **0.0056**