



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution



Sub: Arithmetic
Duration: 40 Min

Class: 7
Worksheet 58
EXPONENTS

Date: 20.07.20
Full Marks: 15

Choose the correct options:

1. 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

2. The rule of scientific notation is to write all exponents with a base of ____.

- (a) 50
- (b) 5
- (c) 100
- (d) 10

3. 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

4. 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}

5. 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

6. 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

7. 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

8. 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

9. 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