

Grade VII Maths Worksheet Scientific Notation

- Which of the following is the smallest?
 - 3.5×10^7
 - 3×10^7
 - 5.05×10^6
 - 1.1×10^8
- For each of the following numbers, by how many places must the decimal point be moved to express the number in scientific notation?
 - 55,651
 - 0.000008991
 - 2.04
 - 883,541
 - 0.09814
 - In each case will the exponent be positive, negative, or zero?
 - 55,651
 - 0.000008991
 - 2.04
 - 883,541
 - 0.09814
- Which of the following is the largest?
 - 5.25×10^5
 - 5.55×10^5
 - 5×10^5
 - 2.55×10^5
- Which shows 3.7×10^{-4} in standard form?
 - 37.000
 - 0.00037
 - 0.037
 - 0.000037
- The diameter of the planet Mercury is 4.87×10^3 kilometers. The diameter of Venus is 1.21×10^4 kilometers. The diameter of Earth is 1.28×10^4 kilometers and the diameter of Mars is 6.79×10^3 kilometers. Which planet has the smallest diameter?
 - Mercury
 - Venus
 - Mars

d. Earth

6. The population of the United States is approximately 317 million. Write 317 million in scientific notation.

7. What is $3.5(10^4)$ in standard form?

8. Write in scientific notation using Prime Factorisation-

a. 2302

b. 4091

c. 1290

d. 3545

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