

PACE EE

Name: _____

Scientific Notation; Units

Date: _____

Answer each of the following questions. For this example quiz, answers are on the back.

1. What is the standard unit of current?
2. Express 943 in scientific notation.
3. What is the prefix that denotes 10^9 ?
4. Meter is the standard unit for the measure of what?
5. What is the abbreviation for centi and what quantity does it denote?
6. Express 0.000314159×10^4 as a decimal number.
7. Find the total power. (W stands for watts): $3 \text{ MW} + 15 \text{ kW}$
8. Add these two numbers: $45.4 \times 10^{-1} + 24.0 \times 10^2$
9. What is the abbreviation for pico?
10. What is the prefix that denotes a quantity of 10^{-3}

Answers:

1. Ampere or amp
2. 9.43×10^2
3. Giga
4. distance
5. c; 10^{-2}
6. 3.14159
7. $3,000,000 \text{ W} + 15,000 \text{ W} = 3,015,000 \text{ W}$ (M is the abbreviation for mega denoting 10^6 and k is the abbreviation for kilo denoting 10^3)
8. $4.54 + 2400 = 2404.54$
9. p
10. milli (m)

EXAMPLE QUIZ