

MasterMath

Scientific Notation

Name _____
Date _____

1. There is approximately 326,000,000,000,000,000 gallons of water on the earth. Please write this number in Scientific Notation.



2. The volume of the moon is $2.1958 \times 10^{10} \text{ km}^3$. Write this number in Standard form.



3. The surface atmospheric pressure on the moon during the day is 9.999^{-8} Pascals. What is this number in standard form?

4. Earth mass (M_{\oplus}) is the unit of mass equal to that of the Earth. $1 M_{\oplus} = 5.9722 \times 10^{24} \text{ kg}$. Write this number in standard form.

5. The diameter of the nucleus of a hydrogen atom is $1.75 \times 10^{-15} \text{ m}$. Please express this in standard form.



6. What is the product of these numbers. Express your answer in both Scientific Notation and Standard Form.

			Scientific	Standard Form
3×10^5	x	1×10^3		
1.2×10^4	x	2.3×10^5		
3.2×10^4	x	4.1×10^3		
4×10^8	x	2×10^{-3}		
3.25×10^{-4}	x	1.2×10^{-3}		

7. The diameter of a hair is .000099 meters. Express this number in Scientific Notation.

