Name



REFERENCES:



QUESTIONS:

1) The metric system is based on the <u>?</u>, which is the primary unit of length.

Answer:

- a. centimeter
- b. inch
- c. kilometer
- 📂 d. meter
- 2) The simplicity of the metric system lies in the relationship of the expression of quantity (how much) based on the number _?_.

Answer:

- a. 0.1 b. 2
- ► c. 10
 - d. 100

3) The decimal system of numbers is based on the number <u>?</u>.

Answer:

- a. one hundred
- b. ten
 - c. two
 - d. zero
- 4) The prefix deci means <u>?</u>.

Answer:

- a. 100
- b. 1
 - c. tenth
 - d. none of the above

METRIC SYSTEM HOMEWORK		PAGE 2
 5) The deciliter is a unit of measure of <u>?</u>. Answer: a. area b. area2 C. volume d. weight 		
CHANGE THE FOLLOWING AS INDICATED:		
6) 300 picofarads = <u>0.0003</u> microfarads	8) 1,200 millivolts = <u>1.2</u>	volts
7) 0.005 watts = <u>5</u> milliwatts	9) 1 kilovolt = <u>1000</u> volts	
 10) How many meters are there in 35.4 decimeter Answer: a. 0.354 m b. 3.54 m c. 354 m d. None of the above 	rs?	
11) Draw lines to match the following prefixes to the	he correct number:	
centi kilo milli deka deci	1/1,000 0.01 10 0.1 1,000	
 12) To express measurements in the metric system the word that represents the unit of measure. Answer: a. after b. before 	m, a person selects the proper prefix a	nd writes it <u>?</u>
13) A junction box with a screw cover measures 2 and meters. (Suggestion: Convert first to millir	4" × 24". Express the area in millimete meters and then shift the decimal point	ers, centimeters : for others.)
Answer: <u>371612.16 mm</u> ² 1"= 25.4mm 24" × 25.4mm =	609.6mm × 609.6mm = 6 371612.16 3 1 ["] - 2.54cm 1	0.96cm × 60.96cm = 716.1216
<u>3716.1216</u> cm ² 609.6mm	$1^{\circ}=2.54$ cm $1^{\circ}=2.54$ cm $24^{\circ}\times 2.54$ cm $= 60.96$ cm 2°	24" × .0254m = .6096m
<u>.37161216</u> m ²		
14) The first floor elevation of a building is 76.38 f above sea level?	eet above sea level. How many centim	neters is it
Answer: a. 23.2806 cm $cm = 76.32328.06 \text{ cm}$ b. 232.806 cm $2,328.06 \text{ cm}$ c. $2,328.06 \text{ cm}$ d. $23.280.6 \text{ cm}$	8 × 30.48 cm = :m	



