

Units of Measurement

Refer to Section 1.2 in the text (pp. 15 - 19).

Fill in the missing information in the table below:

1.

Prefix	Meaning	Symbol	Multiple of base unit
	billion	G	
mega-	million		
		k	1000
deca-	ten	da	
deci-			0.1
	hundredth	c	
milli-		m	
		μ	0.000 001
nano-			0.000 000 001

2. How many meters are in one *kilometer*? _____
 3. How many grams are in one *milligram*? _____
 4. Which is larger, a centimeter or a millimeter? _____
 5. Which is larger, a megasecond or a nanosecond? _____
 6. One part of the Olympics is called the decathlon. How many events do you think are in this event? _____
 7. How many years are in a century? _____
 8. Which base unit is used to measure temperature? _____
 9. Which base unit is used to measure mass? _____
 10. Length is measured with which base unit? _____
 11. If your teacher measures something using seconds, he is measuring _____.
 12. Why do scientists use SI Units? Give two reasons. _____
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