Name:		Row:	
	Date:	Period:	

SI Prefixes - Length

Prefix	Symbol	Factor of Base Unit	
kilometer	km	1,000	
meter	m		1 3
centimeter	cm	.01	
millimeter	mm	.001	v = 1
micrometer	μm	.000001	
nanometer	nm	.00000001	

Large value to small value = decimal to right | Small value to large value = decimal to left

To change SI prefixes is as simple as moving the decimal place. You are going to practice this by discovering how many decimals you need to move and then by drawing arrows under the lines to move the decimal point. Start with the measurement of the left side and convert it to the measurement in bold on the right side. Example:

	1000 m =			= 1 kg	
1)	10 m =	<u>1</u> <u>0</u>	•	\ = <u> </u>	mm
2)	1.2 m =	<u>1</u> . <u>2</u>			cm
3)	20 m =			. =	km
4)	1 nm =		1.0	=	μm
5)	324 cm =	<u>3</u> <u>2</u>	<u>4</u>	-	mm
6)	10 mm =		1 0	=	m
7)	4.7 m =	<u>4</u> . <u>7</u>		=	cm
8)	8 m =		8		km
9)	1 μm =	1			nm
10)	6 m =				mm
11)	13 m =			=	cm
12)	7 m =			¥ <u></u>	mm
13)	60 m =				km
14)	$9 \mu m =$			=	nm
15) © Less	.08 km =	₇ — —		=	cm