

NAME _____

DATE _____

PERIOD _____

Unit 3, Lesson 2: Anchoring Units of Measurement

1. Select the unit from the list that you would use to measure each object.

a, f	1. The length of a pencil <i>1D</i>	a) centimeters <i>length</i>
e, n	2. The weight or mass of a pencil	b) cups <i>volume</i>
i	3. The volume of a pencil <i>3D</i>	c) feet <i>length</i>
o, z	4. The weight or mass of a hippopotamus	d) gallons <i>volume</i>
c, j, f	5. The length of a hippopotamus <i>1D</i>	e) grams <i>mass</i>
a, l	6. The length of a fingernail clipping <i>1D</i>	f) inches <i>length</i>
e, n	7. The weight or mass of a fingernail clipping	g) kilograms <i>mass</i>
d, p, i	8. The volume of a sink <i>3D</i>	h) kilometers <i>length</i>
i, p	9. The volume of a bowl <i>3D</i>	i) liters <i>volume</i>
c, j	10. The length of a chalkboard or whiteboard <i>1D</i>	j) meters <i>length</i>
o, g	11. The weight or mass of a chalkboard or whiteboard	k) miles <i>length</i>
K	12. The length of the border between the United States and Canada <i>1D</i>	l) milliliters <i>volume</i>
		m) millimeters <i>length</i>
		n) ounces <i>mass/weight</i>
		o) pounds <i>mass/weight</i>
		p) quarts <i>volume</i>
		q) tons <i>mass/weight</i>
		r) yards <i>length</i>

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2. When this pet hamster is placed on a digital scale, the scale reads 1.5.



What could be the units? *most likely ounces*

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3. Circle the larger unit of measure. Then, determine if the unit measures distance, volume, or weight (mass).

1. meter or kilometer length
2. yard or foot length
3. cup or quart volume
4. pound or ounce weight/mass
5. liter or milliliter volume
6. gram or kilogram weight/mass

4. Elena mixes 5 cups of apple juice with 2 cups of sparkling water to make sparkling apple juice. For a party, she wants to make 35 cups of sparkling apple juice. How much of each ingredient should Elena use? Explain or show your reasoning. (U2, L15)

25 cups apple juice
10 cups sparkling water

Part	Part	Whole
AJ	SW	Total
5	2	7
$\times 5$ 25	$\times 5$ 10	35

5. Lin bought 3 hats for \$22.50. At this rate, how many hats could she buy with \$60.00? If you get stuck, try using a table. (from U2, L12)

Unit Rate →

hats	\$
3	22.50
$\times 2.66$ 7.98 or 8.01	60.00

hats	\$
3	22.50
$\div 3$ 1	7.50
$\times 8$ 8	60.00

6. Light travels about 180 million kilometers in 10 minutes. How far does it travel in 1 minute? How far does it travel in 1 second? Show your reasoning. (from U2, L9)

Km	min
180	10
$\div 10$ 18	1
million	

Km	sec
18	60
$\div 60$.3	1
.3	million



1 possible bonus