

Do Now

Please work silently on this Do Now.
Thank you!

Choose the most reasonable estimate for each of the following:

1) Length of a calculator

18 m 18 cm 18 mm

2) Length of a football field

100 km 100 m 100 cm

3) Thickness of a paperback book

25 km 25 m 25 mm

4) Capacity of a bottle of shampoo

250 mL 250 L 250 kL



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Homework

NOTES

In the United States, we use customary units like inches, pounds, and gallons which were developed from English units of measurement.

Why, then, do we study metric measurements?

The metric system is used by almost every other country in the world.






Countries which have officially adopted the metric system



Countries which have not officially adopted the metric system (United States, Burma and Liberia)

The table below will help guide you when choosing the most appropriate metric measurement.

Type	Unit	Reference Example
Length	millimeter (mm)	about the thickness of a dime 
	centimeter (cm)	about the width of your little finger
	meter (m)	about the distance from a doorknob to the floor
	kilometer (km)	about the length of 11 football fields
Capacity	milliliter (mL)	a small spoon holds about 5 mL 
	liter (L)	a little more than 1 quart
Mass	milligram (mg)	about the mass of a mosquito 
	gram (g)	about the mass of a paper clip
	kilogram (kg)	about the mass of a bunch of bananas

How Can You Find a Double-Decker Bus?

① length of an ant

R 5 mm M 5 cm

② length of a new pencil

A 19 mm O 19 cm

③ height of a basketball hoop

U 30 m H 3 m

④ distance walked in 1 hour

K 5 km B 50 m

7	2	14	4		12	9	1		11	3	6		15	8	10		16	5	13
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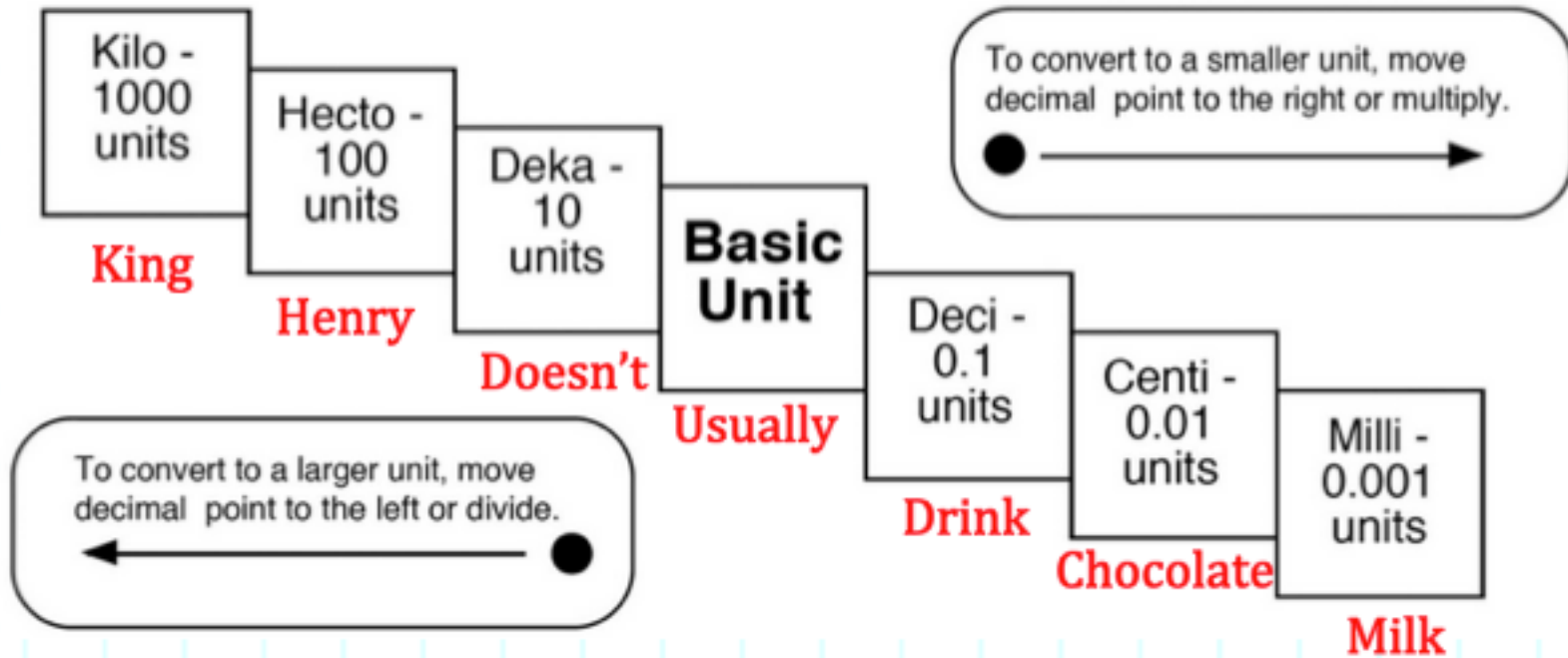


How Can You Find a Double-Decker Bus?

- | | |
|---|---|
| <p>⑪ mass of an adult bullfrog</p> <p>T 0.5 kg S 0.5 g</p> | <p>⑫ mass of a textbook</p> <p>T 3.5 g F 3.5 kg</p> |
| <p>⑬ capacity of a soup bowl</p> <p>N 500 L P 500 mL</p> | <p>⑭ capacity of a bucket</p> <p>O 12 L R 12 mL</p> |
| <p>⑮ Capacity of a can of soda</p> <p>M 355 L B 355 mL</p> | <p>⑯ Capacity of a bathtub</p> <p>D 250 mL T 250 L</p> |

7	2	14	4		12	9	1		11	3	6		15	8	10		16	5	13
L	O		K			O	R			H	E			U	S			O	

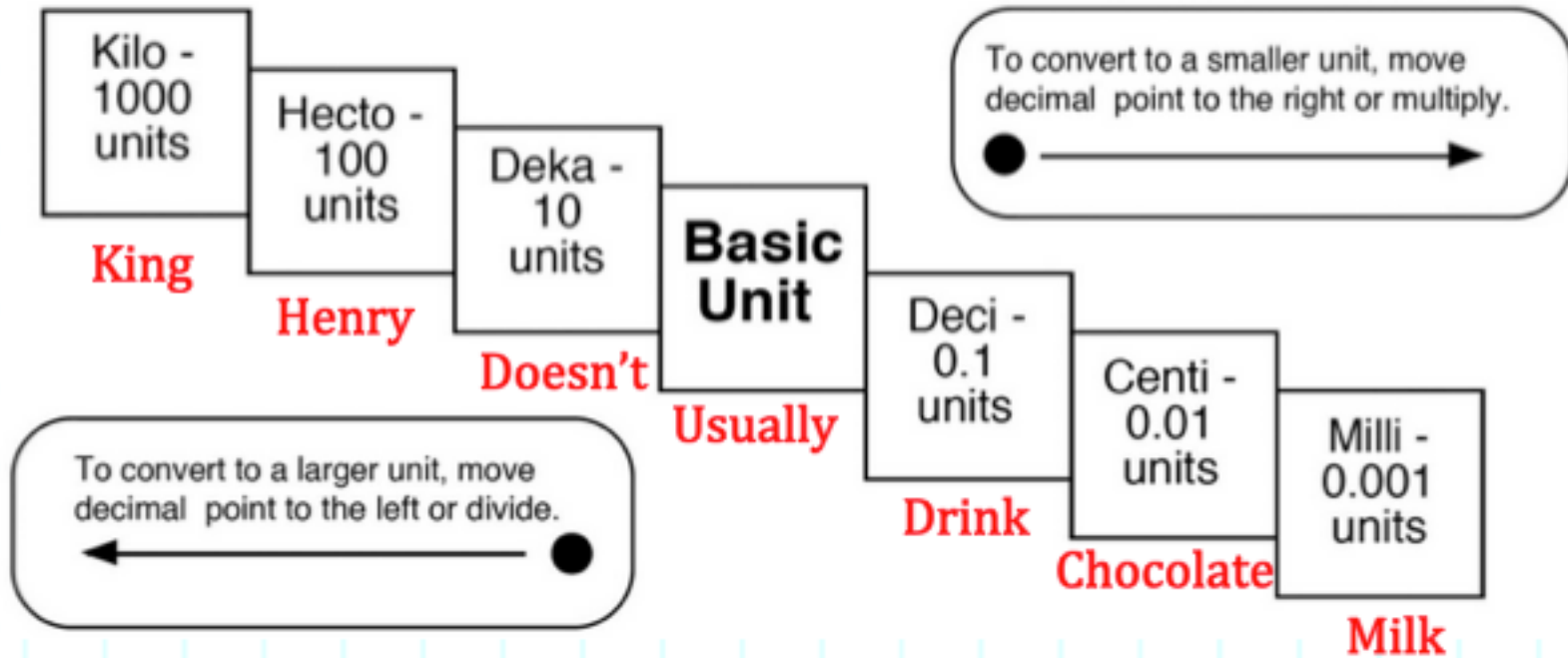
Metric Conversion Chart



Let's use this conversion chart to practice some metric conversions.

1) $0.9 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$

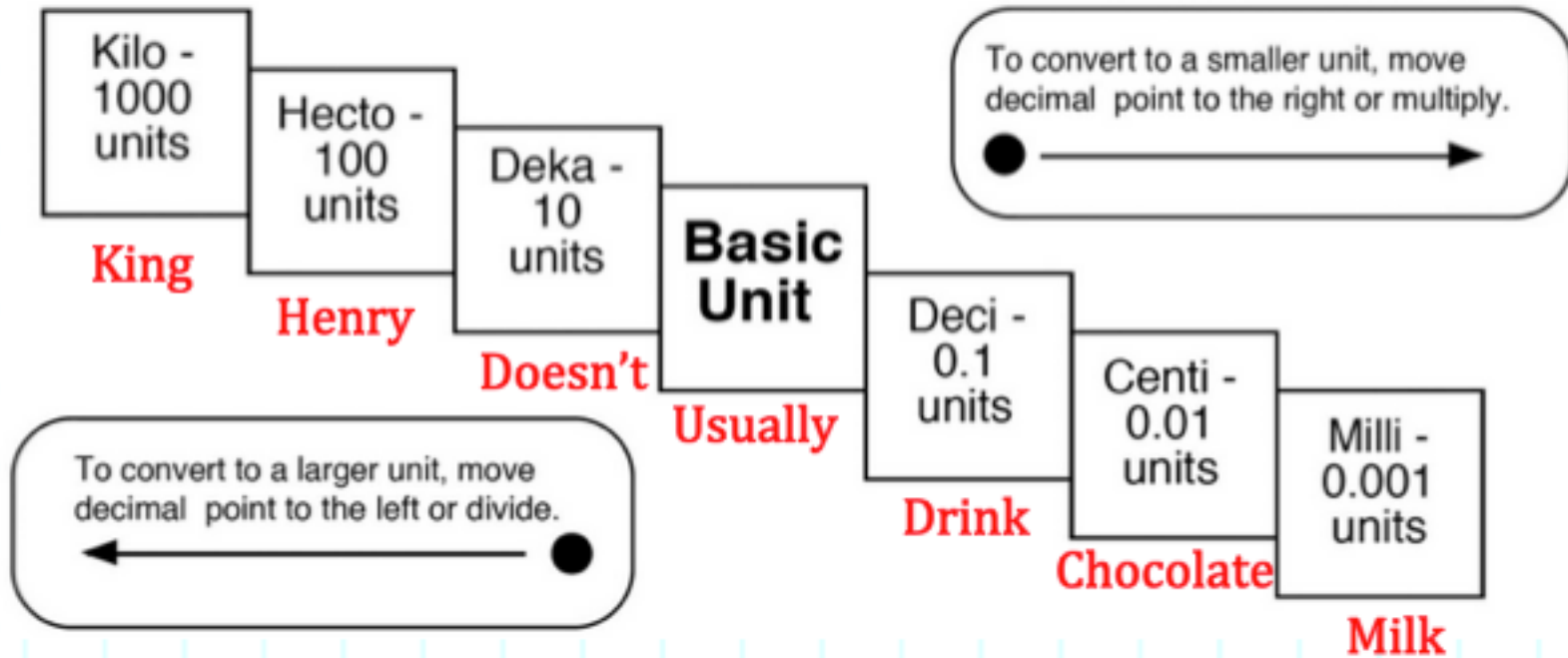
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2) _____ L = 90 mL

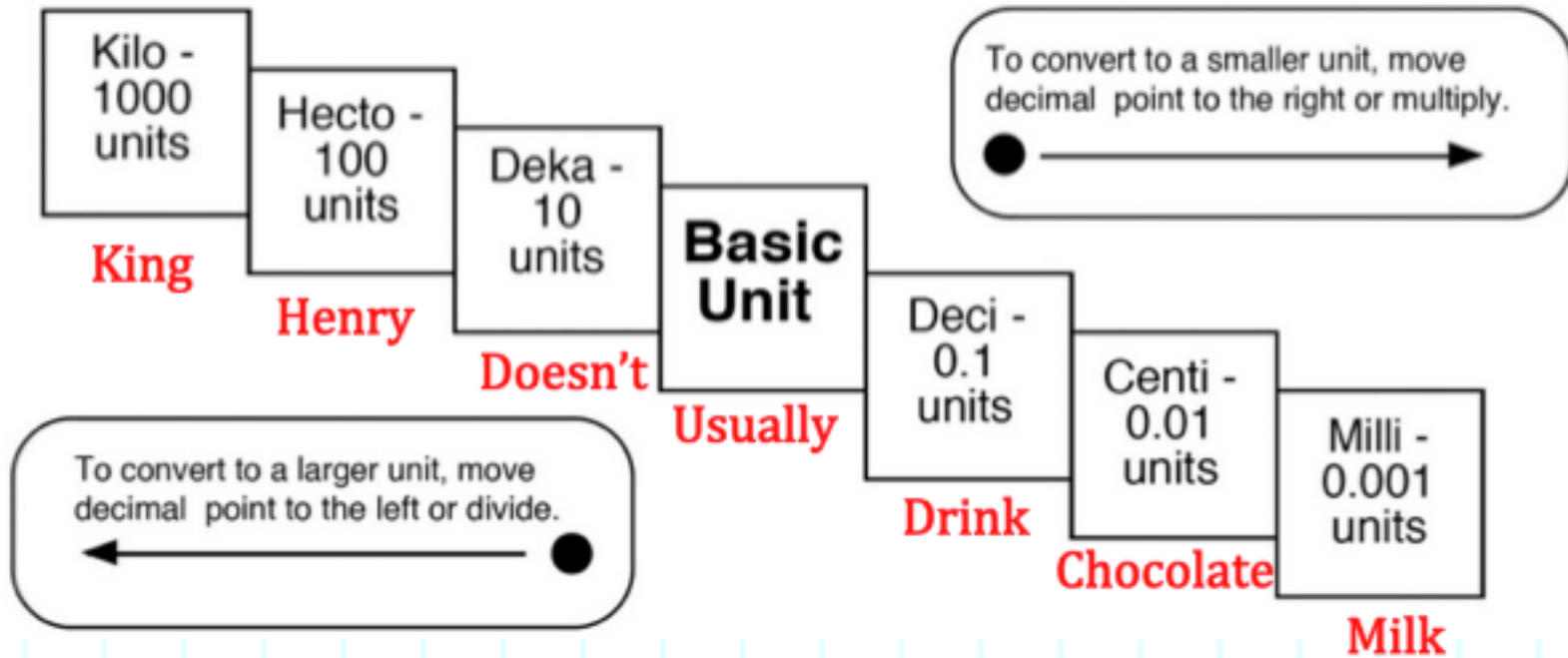
Metric Conversion Chart



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3) $7,800 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

Metric Conversion Chart



Let's use this conversion chart to practice some metric conversions.

4) $58 \text{ m} = \underline{\hspace{2cm}} \text{ mm}$