Unit and Rate Conversions Day 2

N.Q.1 Use units of measure (linear, area, capacity, rates, and time) as a way to understand problems

b. Convert units and rates using dimensional analysis (English–to–English and Metric– to–Metric <u>without conversion factor provided</u> and between English and Metric <u>with conversion factor</u>)

Vocabulary

Rate - a unit of measure that includes both an amount and a time frame. For instance, miles per hour OR words per minute.

What am I learning today?

How to convert using rates with different units

How will I show that I learned it?

Solve a word problem which represents a conversion factor as a rate

Advanced Unit Conversions

Sometimes it is necessary to go between different types of measurement (English to metric). In these problems the unit conversion will be given to you.

Ex. 2 Convert 4 lbs to grams. Use 1 oz = 28.35 grams.

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$$|60 \neq 28.35g| = |814.4|$$
 $|10 \neq 10 \neq 1$
 $|50 \neq 10 \neq 1$

