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| #1  Step One: Underline the lonely unit (the unit that is not paired with another unit.Circle pairs of units. Draw a box around the unit the answer should be in.  If a beachcomber finds a copper coin that contains  8.0 x 1022 atoms of copper, what is the volume of the coin? Assume that 255 atoms of copper have a mass of 2.69 x 10-20 grams. Also assume that the density of copper is 8.98 grams per mL.  Step Two: Solve below using dimensional analysis. Choose words before numbers. | #2  Step One: Underline the lonely unit (the unit that is not paired with another unit.Circle pairs of units. Draw a box around the unit the answer should be in.  If a beachcomber finds a copper coin with a volume of  66.0 mL, how many atoms of copper did the beachcomber find? Assume that 255 atoms of copper have a mass of 2.69 x 10-20 grams. Also assume that the density of copper is 8.98 grams per mL.  Step Two: Solve below using dimensional analysis. Choose words before numbers. |
| #3  Step One: Underline the lonely unit (the unit that is not paired with another unit.Circle pairs of units. Draw a box around the unit the answer should be in.  If the density of iron is 7.87 grams per 1 mL, find the mass in grams of 22.03 liters of iron.  Step Two: Solve below using dimensional analysis. Choose words before numbers. | #4  Step One: Underline the lonely unit (the unit that is not paired with another unit.Circle pairs of units. Draw a box around the unit the answer should be in.  If a beachcomber finds one copper penny every 355 minutes, and copper pennies have a mass of 2.48 grams, how many grams of copper will the beachcomber find in 7.25 hours?  Step Two: Solve below using dimensional analysis. Choose words before numbers. |

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| Dimensional Analysis, The Fifth  East.H.S. ©λ€M|5+rγ  visit http://genest.weebly.com | https://encrypted-tbn3.gstatic.com/images?q=tbn:ANd9GcSeig7C-75w9egFjXHuoUNuCMZCoUTsAbxykPxUY_fp03TsnQ2N | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  Come for assistance and cheerful encouragement after school Tues, Thurs, every day at lunch |