**Unit Conversion Lab**

Use dimensional analysis to answer each of the following questions.

Show your work for each calculation.

Station 1:

Find the length of a pencil in miles. There are 1.6 kilometers in a mile.

Station 2:

Find the mass of the paperclip in tons. There are 2.2 lb/1 kg and 2000 lb/1 ton.

Station 3:

Find the volume of the beaker in gallons. There are 0.26 gal/1 L

Station 4:

Find the maximum length you can hold your breath in years. There are 365 days/1 year.

Station 5:

Find the area of a piece of paper in square meters. Hint: How many millimeters are in a meter?

Station 6:

Solve the domino puzzles by finding which piece is missing.

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Station 7:

Find your height in miles.