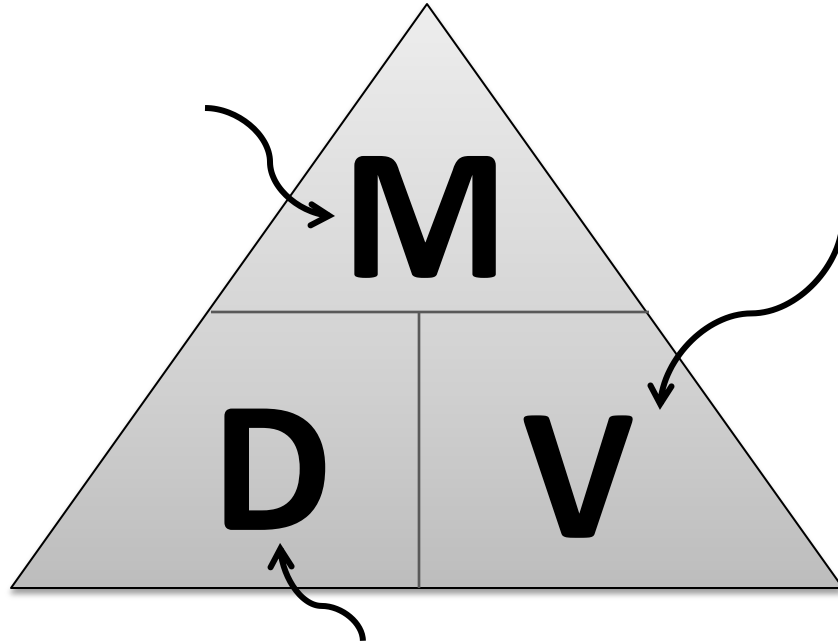


Mass & Volume → Density



Write the equation in terms of each of the terms:

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With two variables the third can always be determined.

We will be using a container of water to see the displacement of water.

1. Using an electric scale, measure the mass of the object.
2. Fill a beaker to a necessary water level, so that the object may fully submerge.
3. Record the water level in the chart.
4. Place the item in the beaker. Wait for the object to fully submerge.
5. Record the new water level.
6. Determine the change in water level, this is the object's volume.
7. Using an equation above, determine the density of the object.
8. Repeat this process for each object.

Complete the data on the following table:

