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magicMixture IPO

**Input**

User inputs initial values for float variables li, os, hg, kr.

Program calculates values for float variables totalLi, totalOs, totalHg, totalKr, totalOz, remainingOz.

Program calculates value for int variable totalGal.

**Process**

totalOz = li + os + (li + os) + li + hg \*os + kr \* 1.5 + li \* 2

totalLi = os + ((os + li) \*li)

totalHg = hg \* os

totalKr = kr \*1.5

totalGal = totalOz / 128

remainingOz = totalOz – (totalGal \* 128)

**Output**

Value of totalLi, totalOs, totalHg, totalKr.

Value of totalOz.

Size of container needed in whole integer gallons (totalGal) and float ounces (remainingOz).

For format see paper.