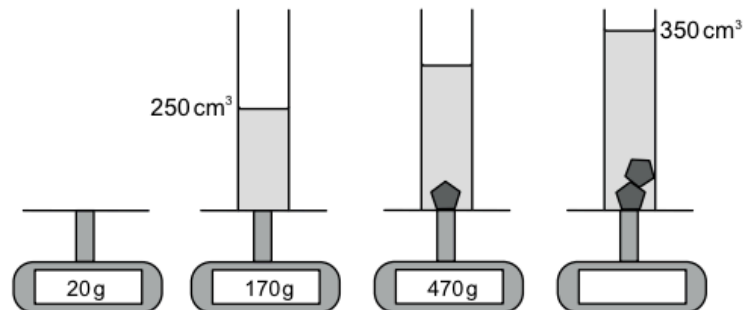3   A student carries out an experiment to determine the density of the material from which two identical solid objects are made. She uses a balance and a measuring cylinder containing a fixed volume of liquid. The diagrams show different stages of her experiment, with some of the readings on the balance and some on the measuring cylinder.
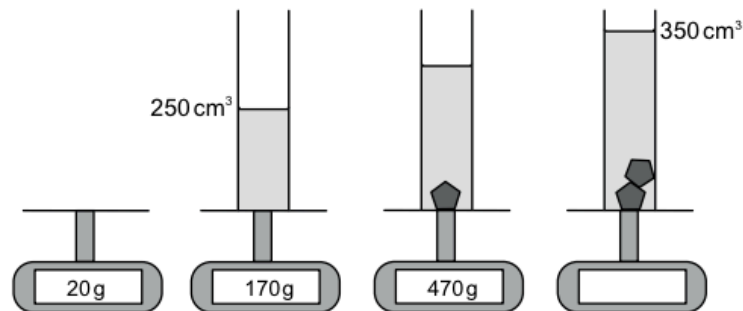

Which calculation should be used to determine the density of the material from which the objects are made?

A $\dfrac{280}{50}$ g/cm^3

B $\dfrac{280}{300}$ g/cm^3

C $\dfrac{280}{350}$ g/cm^3

D $\dfrac{300}{50}$ g/cm^3

E $\dfrac{300}{100}$ g/cm^3

F $\dfrac{600}{350}$ g/cm^3

G $\dfrac{750}{350}$ g/cm^3

H $\dfrac{770}{350}$ g/cm^3

2016

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