

8a) Volume of box:

Volume of sphere: (round to the nearest whole number)

Difference (wasted space):

Fraction of wasted space: $\frac{\text{wasted space}}{\text{box}}$ (round to two decimal places)

8b) Note: leave π in your first three answers.

Volume of cylinder:

Volume of three balls:

Difference (wasted space):

Fraction of wasted space: $\frac{\text{wasted space}}{\text{cylinder}}$

8c) Volume of cylinder: (round to the nearest whole number)

Volume of three balls: (round to the nearest whole number)

Difference (wasted space):

Fraction of wasted space: $\frac{\text{wasted space}}{\text{cylinder}}$ (round to two decimal places)