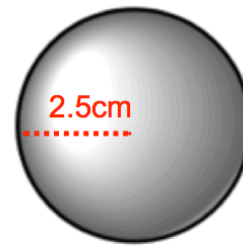




A sphere has a radius of 2.5cm
Work out the volume of the sphere.
Give your answer to 1 decimal place.



220g of lead and 105g of tin are mixed
to make an alloy.

The density of lead is 11g/cm^3
The density of tin is 7g/cm^3

Work out the volume of lead used in the
alloy.

Work out the volume of tin used in the
alloy.

What is the density of the alloy?

Jenny invests £400 for two years at 5%
compound interest, paid yearly.
Tim says that the interest Jenny will
receive will be £40.

Is Tim right?
Explain your answer.

$$a = \begin{pmatrix} 0 \\ -4 \end{pmatrix} \quad b = \begin{pmatrix} 1 \\ 2 \end{pmatrix}$$

Work out $5a + 3b$