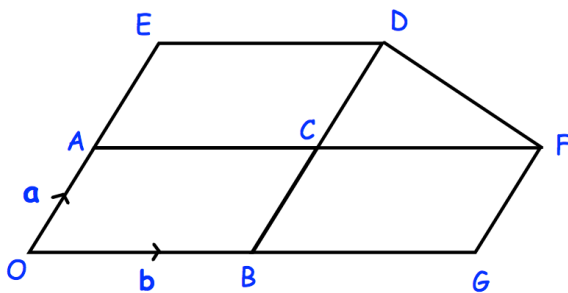




Write 237.5% as a fraction.
Give your answer in its simplest form.

Every weekday, Sohail runs $2\frac{1}{2}$ miles.
On a Saturday and a Sunday, he runs $4\frac{2}{3}$ miles.
How far does Sohail run over the course of 1 week?

Calculate the density of a piece of wood with a mass of 21g and a volume of 35cm^3



In the diagram OBDE and OAFG are parallelograms.
B is the midpoint of OG.
A is the midpoint of OE.

$$\overrightarrow{OA} = \mathbf{a} \quad \text{and} \quad \overrightarrow{OB} = \mathbf{b}$$

Express, in terms of \mathbf{a} and \mathbf{b} , the vector

$$\overrightarrow{OE}$$

Express, in terms of \mathbf{a} and \mathbf{b} , the vector

$$\overrightarrow{BA}$$