$$D = \frac{m}{V} \qquad m = D \times V \qquad V = \frac{m}{D}$$

Ex1) An object has a density of 24.6 g/cm³ and a mass of 8g what is the volume?

$D = 24.6 g/cm^3$
$m = 8g$
$V = ?$

$V = \frac{m}{D} \leftarrow \div$

$V = \frac{8g}{24.6g/cm^3}$

$V = 0.33 \ cm^3$

Ex2) An object has a mass of 12.3g and a volume 4cm³ what is the density?

$D = ?$

$m = 12.3g$

$V = 4cm^3$

$D = \frac{m}{V} \qquad \leftarrow \div$

$\frac{12.3g}{4 \ cm^3}$

$D = 3.075 \quad g/cm^3$