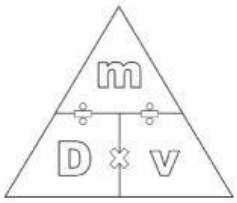
Name :

EXERCISE: **DENSITY**

SECTION A

Calculate the following:



D = m ÷ V

m = ×

V = ÷

An object has the following details: 50 cm^3 , 100 g

Q.1:

Which one is the **mass**: _____ g

Which one is the **volume**: _____ cm^3

Calculate the **density**: _____ g/cm^3

An object has the following details: 425 cm^3 , 5 g/cm^3

Q.2:

Calculate the **mass**: _____ g

Which one is the **volume**: _____ cm^3

Which one is the **density**: _____ g/cm^3

A liquid has the following details: 60 g , 10 g/cm^3

Q.3:

Which one is the **mass**: _____ g

Calculate the **volume**: _____ cm^3

Which one is the **density**: _____ g/cm^3

A liquid has the following details: 25 cm^3 , 500 g

Q.4:

Which one is the **mass**: _____ g

Which one is the **volume**: _____ cm^3

Calculate the **density**: _____ g/cm^3

LIVEWORKSHEETS

An object has the following details:	5 g/cm^3 , 85 g

Q.5:

Which one is the **mass**: _____ g

Calculate the **volume**: _____ cm^3

Which one is **density**: _____ g/cm^3

An object has the following details:	55 cm^3 , 11 g/cm^3

Q.6:

Calculate the **mass**: _____ g

Which one is the **volume**: _____ cm^3

Which one is **density**: _____ g/cm^3

A liquid has the following details:	7 cm^3 , 420 g

Q.7:

Which one is the **mass**: _____ g

Which one is the **volume**: _____ cm^3

Calculate the **density**: _____ g/cm^3

A liquid has the following details:	25 cm^3 , 72 g/cm^3

Q.8:

_____ g

_____ cm^3

_____ g/cm^3

LIVEWORKSHEETS

An object has the following details:	42 500 g , 50 g/cm^3

Q.9:

_____ g

_____ cm^3

_____ g/cm^3

An object has the following details:	3 cm^3 , 135 g

Q.10:

_____ g

_____ cm^3

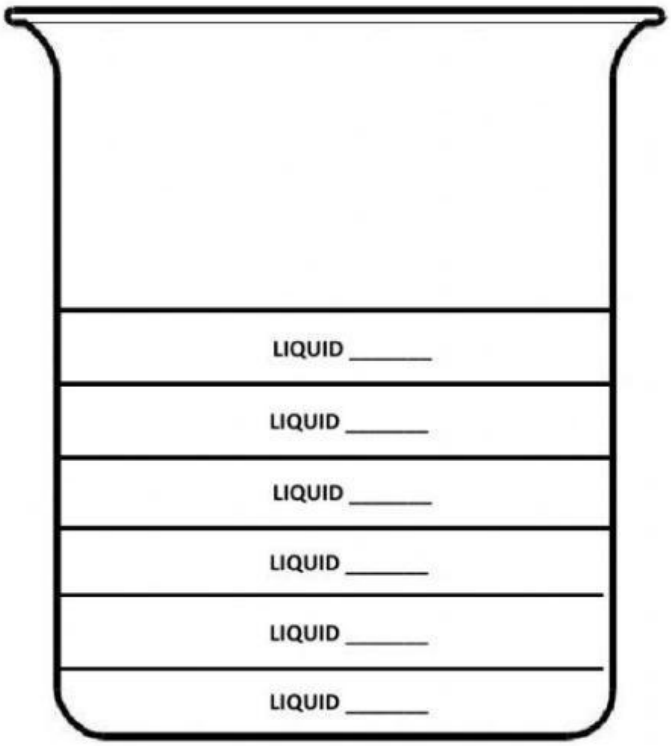
_____ g/cm^3

LIVEWORKSHEETS

SECTION B

Arrange the following according to their densities and **label** them in the picture below:

SUBSTANCE	DENSITY
Liquid A	15.30 g/cm^3
Liquid B	10.01 g/cm^3
Liquid C	7.39 g/cm^3
Liquid D	5 g/cm^3
Liquid E	18.20 g/cm^3
Liquid F	3.25 g/cm^3



(a) Which liquid is most dense? _____

(b) Which liquid is less dense? _____

LIVEWORKSHEETS