

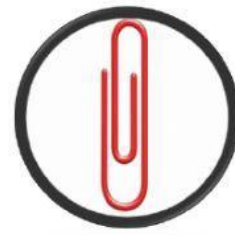
# DENSITY

Solve the following problems on density.

1. Frank has a paper clip. It has a mass of 9g and a volume of  $3\text{cm}^3$ . What is its density?

The density of the paper clip is

$\text{g/cm}^3$



2. Frank also has an eraser. It has a mass of 3g, and a volume of  $1\text{cm}^3$ . What is its density?



The density of the eraser is

$\text{g/cm}^3$

3. Jack has a rock. The rock has a mass of 6g and a volume of  $3\text{cm}^3$ . What is the density of the rock?

The density of the rock is

$\text{g/cm}^3$

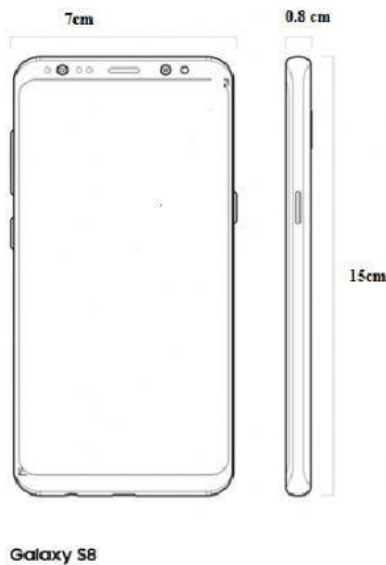


4. Jill has a gel pen. The gel pen has a mass of 8g and a volume of  $2\text{cm}^3$ . What is the density of the gel pen?



The density of the gel pen is  
 $\text{g/cm}^3$

5. The Samsung Galaxy S8 has the following dimensions ( length- 15cm width - 7cm and height - 0.8 cm) and weighs 155 grams. What is the density of the Samsung S8?



Mass =                      g

Volume =

cm x                      cm x

cm =                       $\text{cm}^3$

The density of the Samsung s8 is

$\text{g} \div \text{cm}^3 = \text{g/cm}^3$

( Round off your answer to 2 decimal places)

6. The Samsung Galaxy S10e has the following dimensions (length- 14cm width - 7cm and height - 0.8 cm) and weighs 150 grams.  
What is the density of the Samsung S10e?



Mass =                      g

Volume =

cm x                      cm x

cm =                      cm<sup>3</sup>

The density of the Samsung s10e is

g ÷                      cm<sup>3</sup> =                      g/ cm<sup>3</sup>

*( Round off your answer to 2 decimal places)*

7. Which cell phone is less dense?

The Samsung                      is less dense than the

the Samsung                      .

8. What is the density of the wooden cube if its mass is 375 grams and its height is 5cm?



Density =

$$= \frac{g}{\text{cm} \times \text{cm} \times \text{cm}} = \text{g/cm}^3$$