

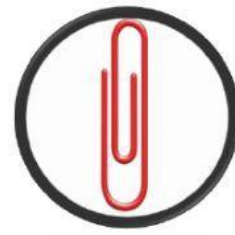
DENSITY

Solve the following problems on density.

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

The density of the paper clip is

g/cm^3



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



The density of the eraser is

g/cm^3

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

The density of the rock is

g/cm^3

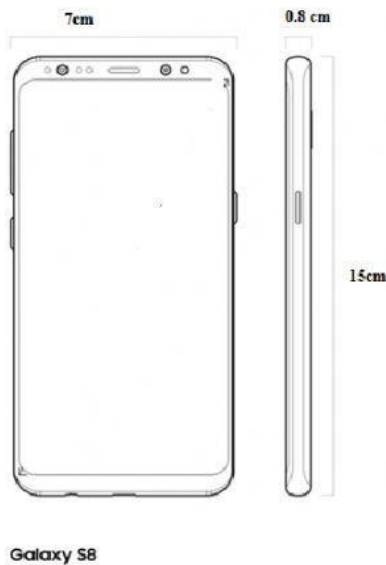


4. 4. Jill has a gel pen. The gel pen has a mass of 8g and a volume of 2cm^3 . What is the density of the gel pel?



The density of the gel pen is
 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 = 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 = cm³

The density of the Samsung s10e is

g ÷ cm³ = g/ cm³

(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 =

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