Science Review

Fill in metric ladder:

Basic
units
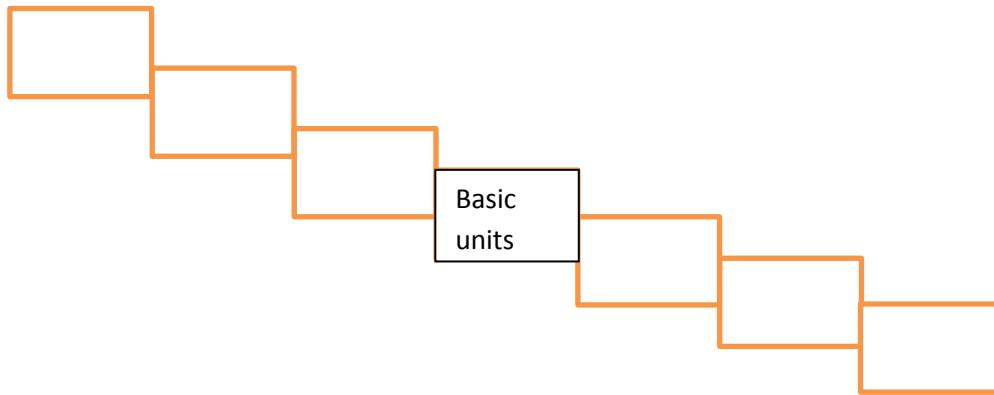
Metric Conversions:

1. 3.0 M = _____ cm

2. 8.45 L = _____kL

3. 1.08 m = _____mm

4. 1500 ml = _____m

5. What is the formula for determining the volume of a rectangle or square?

6. What is the volume of this rectangle? The height is 5, the width is 10, the length is 11.
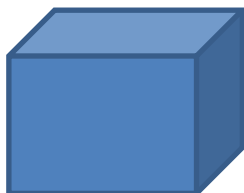
7. If you were to measure the volume for a quantity of sand, which instrument would be

   best to use?

   a.) Graduated cylinder   b) beaker
       C.) Ruler   d) meter stick
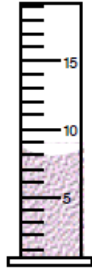

8. Which of the following choices correctly places the units in order from LARGEST to

   SMALLEST.

                         a.) Cm, km, m, mm
                         b.) Km, mm, cm, m
                         c.) Km, m, cm,mm
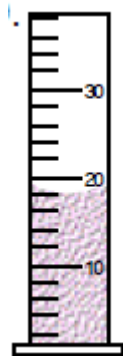   d.) Mm, cm, m, km

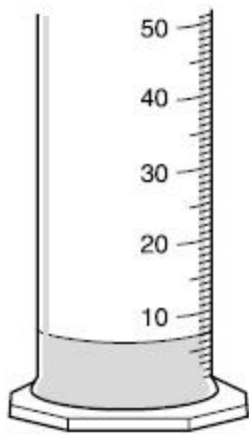9. What is the volume of the solid object in the diagram below:
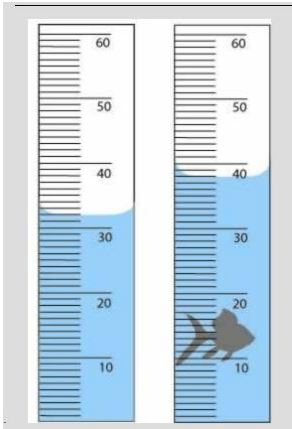
Fill in the volume in the blanks above each graduated cylinder. What is the value of the
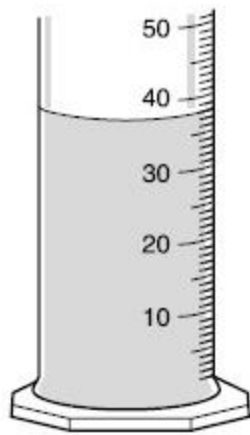
graduated cylinder?

15
10
5

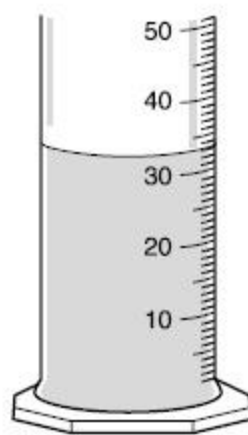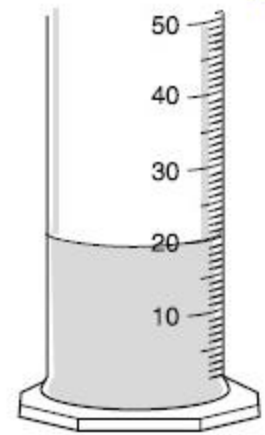20. _____

30
20
10

21. _____

1. _____   2. _____   3. _____   4. _____

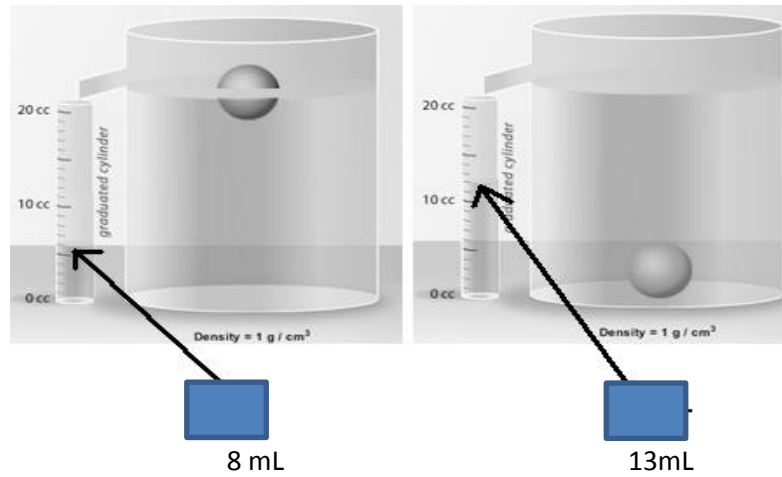22. Calculate the volume of the object below:

10 cm

2 cm

4 cm
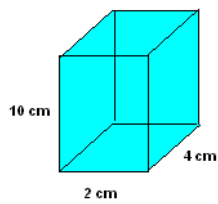
Calculate the volume of the cube:

5cm

9 cm

The two objects shown in the beakers below are exactly the same size (same volume). What are the mass and the volume of the _floating_ object?

20 cc		20 cc
10 cc	graduated cylinder	10 cc
0 cc		0 cc

Density = 1 g / cm³   Density = 1 g / cm³

8 mL   13mL

What is the measurement of the object on this triple beam balance? _____

0	10	20	30	40	50	60	70	80	90	16ʋ
0	100	200	300	400	500	600	700	800	900	1000
0	1	2	3	4	5	6	7	8	9	10

10   20   30   40   50   60   70   8

100   200   300   400   500   600   700   8

1   2   3   4   5   6   7   8