Name: …………………………………………………….   Date: ……………..

Year: ……………..

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EXERCISE 1.14: VOLUME OF IRREGULAR OBJECT
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1. Study the Figure below.

cm^3 cm^3

50   50
40   40
30   30
20   20
10   10

Before   After
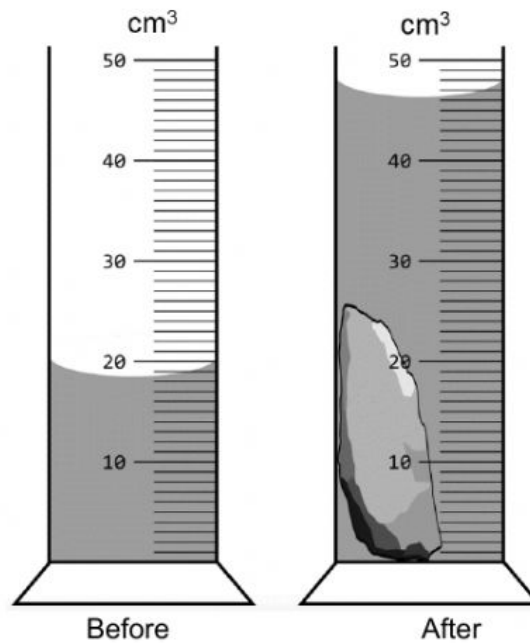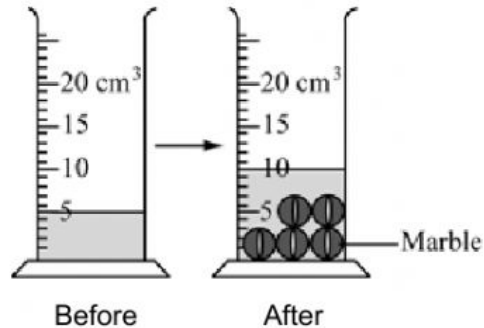
a) What is the initial volume of water? _____ cm^3

b) What is the volume of water when the stone is immersed into the measuring cylinder?

_____ cm^3

c) What is the volume of the stone? (Show your working)

Answer: _____ cm^3

2. Four identical marbles are put into the measuring cylinder as shown in Figure below.

Before   After

a) What is the initial volume of water? _____ cm³

b) Predict what will happen to the water when the marbles are lowered into the measuring cylinder.

_____

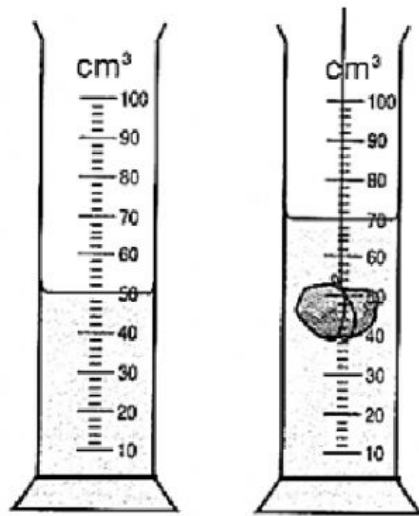c) Calculate the volume of water when the 4 marbles is immersed into the measuring cylinder?

_____ cm³

d) Calculate the volume of the 4 marbles? (Show your working)

Answer: _____ cm³

e) Calculate the volume of ONE (1) marble? (Show your working)
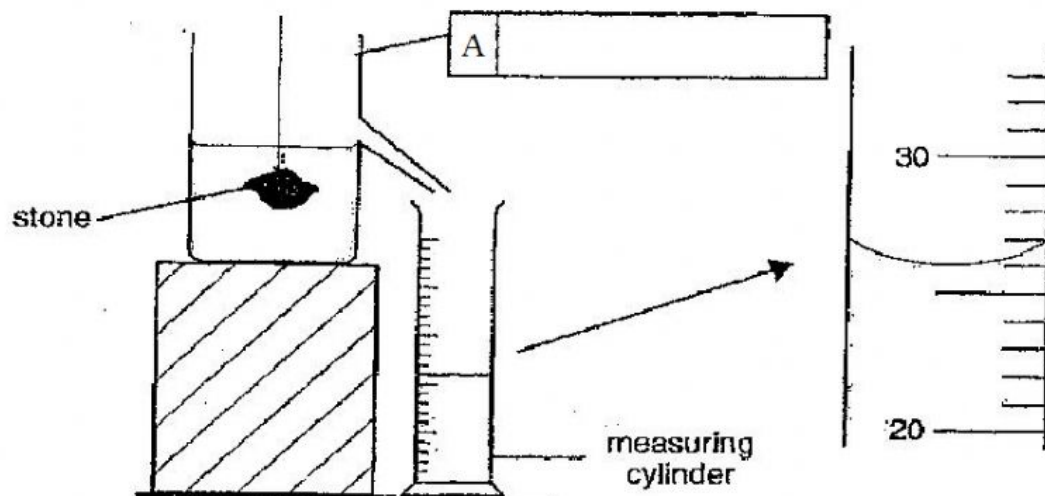
Answer: _____ cm³

3. Find the volume of the following irregular solid. (Show your working)

Answer: _____ cm³

4. Study the Figure below.

a) Label the apparatus marked A in the box provided

b) What is the volume of the stone? _____ cm³

c) Name the method used to find the volume of an irregular solid as shown in the Figure above.

_____

LIVEWORKSHEETS