Date:_____

GRADE 4: MEASUREMENT OF CAPACITY / VOLUME TERM 3

Content Area 4: Measurement

Topic 4.3: Capacity / Volume

Concepts: Practical measurement of 2-D shapes and 3-D objects, using measuring instruments, calculations and problem solving involving capacity / volume

WEEK 1 & 2: Duration: 6 hours

Activity 1: What do you remember about capacity? 1 hour

Work with the class to answer the questions.

1. Which of these objects' capacity / volume will you measure?









2. A car is stuck without petrol. Which of these objects will you use to put petrol in the car?









2. If you want to give a baby medicine, which of these objects will you use?



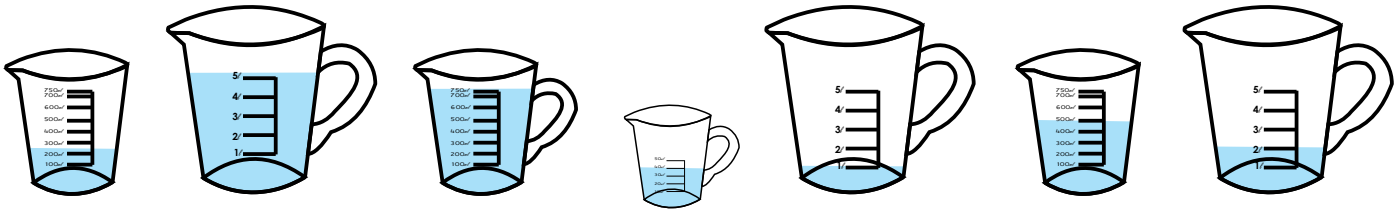






Date:_____

4. What kind of liquids can you buy in these containers?



250ml 5l 750ml 40ml 1l 500ml 2l

5. Order the jugs from the ones that hold the most to those that hold the least. Write down the letters only.

_____

6. Draw lines to connect the containers with the correct volumes.











1 litre

25 ml

250 ml

5 ml

5 liter

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Activity 2: Practical measuring with volume 1 hour

Today you will work with your group to perform practical measurements to find the volume or capacity of containers. You need the following containers.

tea cup	**teaspoons**	**250ml water glass**	**1 litre bottle**
500 ml bottle	**2 litre bottle**	**dessertspoon**	**bucket of water**

1. First make estimates to find out how many smaller containers you can use to fill the bigger containers. Then find out.

a) How many  fill a 

b) How many  fill a 

c) How many  fill a 

d) How many  fill a 

e) How many  fill a 

f) How many  fill a 

2. Complete the table.

Containers filled	Estimate	Accurate measurement
a) Teaspoons in a cup		
b) Glasses in a litre		
c) Dessertspoons in a glass		
d) Cups in 500ml		
e) 500ml in a litre		
f) 500ml in 2 litres		

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Activity 3: What is volume and capacity? 1 hour

1. Write the names of the containers you worked with in Activity 2 in ascending order (from the least to the most). Work with a partner.

_____

2. Complete. The capacity of:

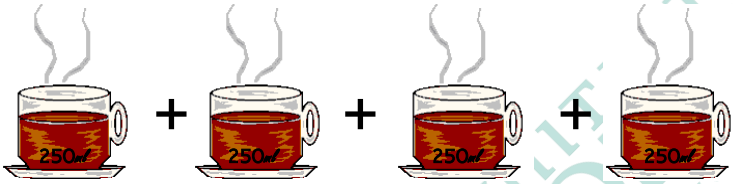
a) a teaspoon is _____ *ml*

b) a dessertspoon is _____ *ml*

c) a cup is _____ *ml*

d) a glass is _____ *ml*

3. Calculate the capacity of the containers.

a) 

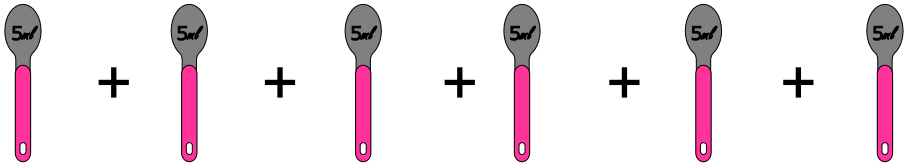
= _____ *ml*

b) 

= _____ litre

c) 

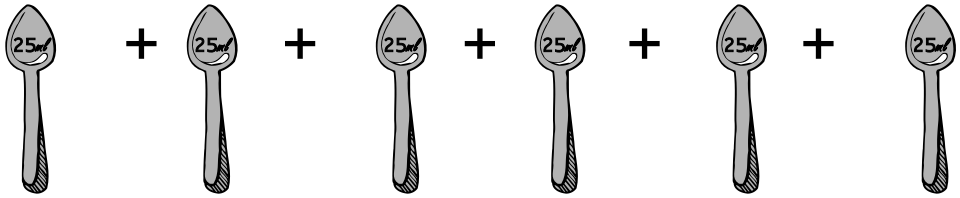
= _____ litre

d) 

= _____ *ml*

e) 

= _____ *ml*

f) 

= _____ *ml*