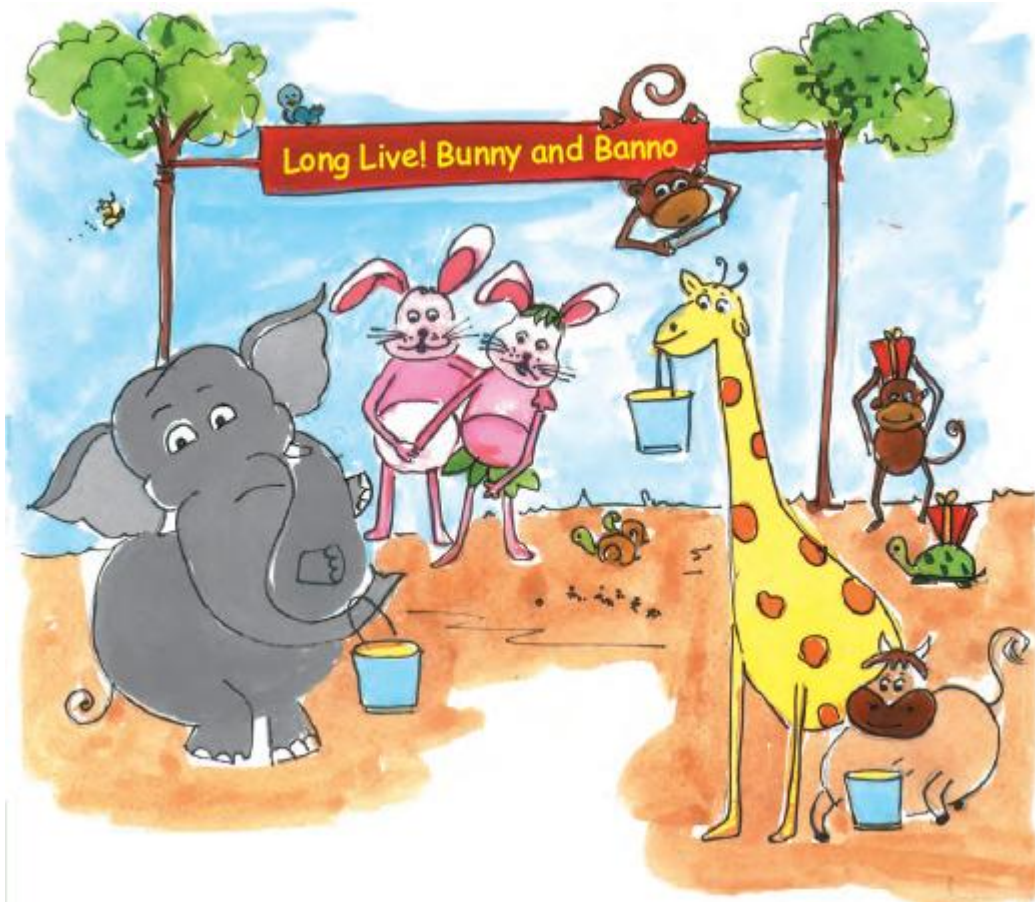


## CHAPTER -7

### Jugs and Mugs

#### 2MARK QUESTIONS



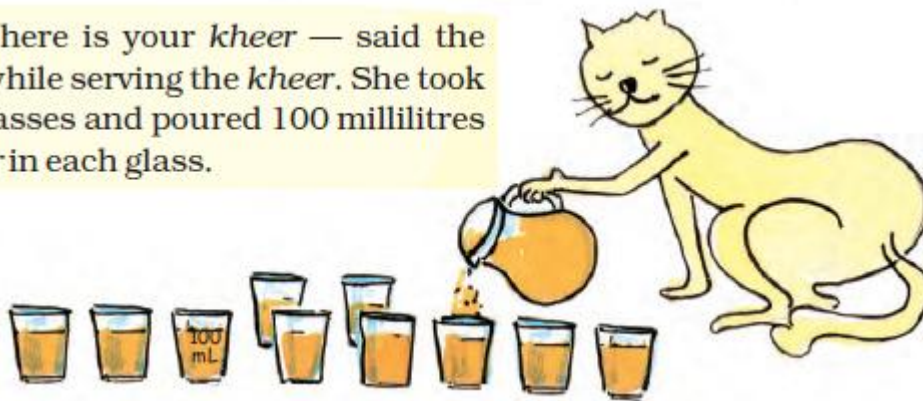
**Q1.**The donkey asked 500 millilitres of kheer? Isn't that more than a litre?

**Answer:**

No, 500 millilitre of kheer is less than a litre, it is half litre.

The fox said – Come on, don't behave like a donkey! One litre is equal to 1000 millilitres, so 500 millilitres is half a litre.

OK., here is your *kheer* — said the cat, while serving the *kheer*. She took 10 glasses and poured 100 millilitres *kheer* in each glass.



**Q2.** The donkey looked confused and asked – Ten glasses of 100 ml each. How much is that?

**Answer:**

Quantity of kheer in a glass = 100 mL

Quantity of kheer in 10 glasses =  $10 \times 100 \text{ mL}$

= 1000 mL

We know that,

1000 mL = 1 litre

Hence, 10 times 100 mL = 1 litre

**Q3.** Each ant drinks 1 millilitre of kheer.

So, 1000 ants drink:  $1000 \times 1 \text{ mL} = \underline{\hspace{2cm}} \text{ mL}$

**Answer:**

Given that each ant drinks 1 millilitre of kheer.

So, 1000 ants drink =  $1000 \times 1 \text{ mL} = 1000 \text{ mL}$

Therefore 1000 ants drink 1000 mL of kheer, i.e., 1 litre of kheer

**Q4.** How much kheer can you have?

**Answer:**

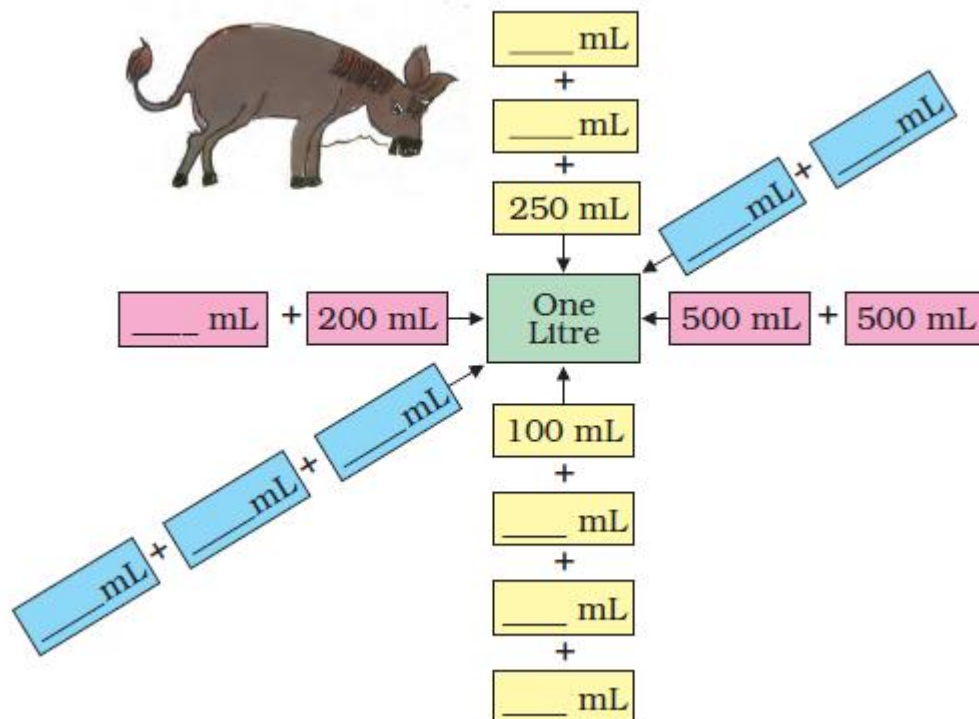
I can have 100 mL of kheer

**Q 5.** Can you drink 1 L of water at one time?

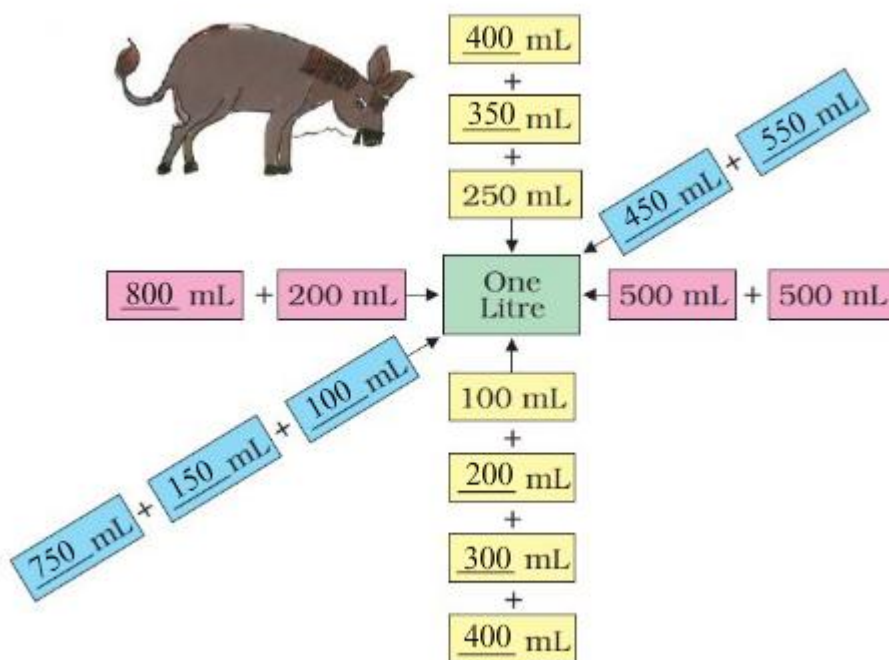
**Answer:**

No, I cannot drink 1 L water


**Q6.** The donkey is trying to look for different ways to add up to 1 litre. Help him complete the chart.



**Answer:**



**Q7.** Look at these pictures. Now look for some other things we get in packets or bottles like these. Make your own list.



Packet	How many mL or L?
Milk	500 mL

**Answer:**

Packet	How many mL or L?
Milk	1000 mL
Cough syrup	200 mL
Eye drop	10 mL
Cold drink	1000 mL
Tomato sauce	950 mL

**Q8.Have you seen a one-litre water bottle?**

**Answer:** Yes

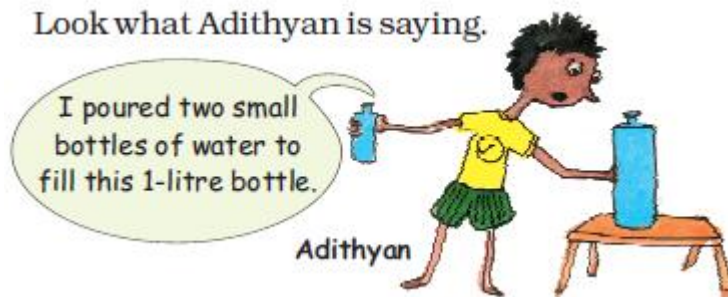
**Q9.Check if your guess is correct and fill the table.**

<i>Bottles</i>	<i>My guess</i>	<i>My measure</i>
Bottle 1		
Bottle 2		
Bottle 3		

**Answer:**

Bottles	My guess	My measure
Bottle 1	200 mL	190 mL
Bottle 2	1000 mL	900 mL
Bottle 3	1 L	980 mL
Bottle 4	2L	1.5 L
Bottle 5	1.5 L	1 L

Look what Adithyan is saying.



**Q10. How much water does his small bottle hold?**

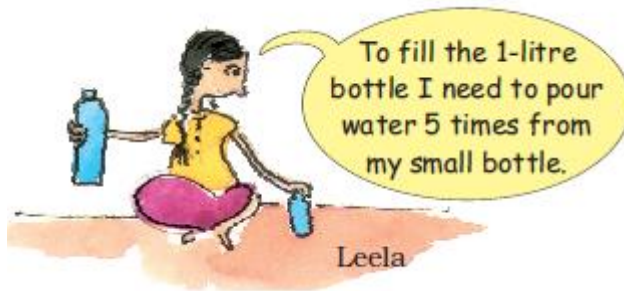
**Answer:**

He poured two small bottles of water to fill a 1-litre bottle.

We know  $1 \text{ L} = 1000 \text{ mL}$

2 small bottles =  $1000 / 2 = 500 \text{ mL}$

So, his small bottle holds 500 mL of water.





**5 MARK QUESTIONS**

**Q1. Then how much water does Leela's bottle hold?**

**Answer:**

We know  $1000 \text{ mL} = 1 \text{ L}$

Big bottle's capacity =  $1000 \text{ mL}$

Leela uses the small bottle 5 times to fill the big bottle.

Small bottle's capacity =  $1000 / 5$

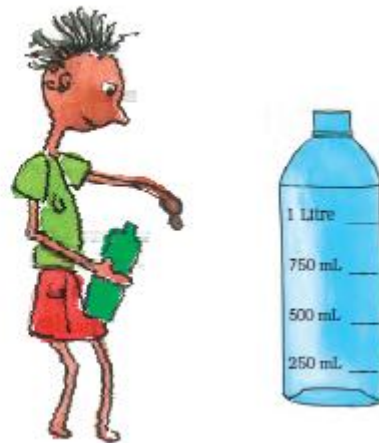
=  $200 \text{ mL}$

Hence, Leela's bottle holds  $200 \text{ mL}$  of water.

**Q2.**

**Ramu's Measuring Bottle**

Ramu got an empty  $250 \text{ mL}$  coconut oil bottle. Look at the picture and discuss what he did to make his big measuring bottle.



**Answer:**

Ramu takes 2 empty bottles, one bottle measuring  $250 \text{ mL}$  coconut oil bottle and another bottle of large size. He fills the  $250 \text{ mL}$  bottle with water and pours the water into the big bottle. By measuring, he will mark the level as  $250 \text{ mL}$  in the big bottle. Now again, he repeats this process and marks the level as  $500 \text{ mL}$ . Again he fills the  $250 \text{ mL}$  bottle and marks the level as  $750 \text{ mL}$ . He repeats the same process, and now he marks the level as  $1 \text{ litre}$ . By doing so, Ramu got the measuring bottle with clear markings on it.

**Q3. Find your own way to make a bottle which can measure 200 mL, 400 mL, 600 mL, 800 mL and 1 litre. Discuss with your friends and teacher how you made this.**

**Answer:**

Take a big bottle and a small bottle measuring 200 mL

Now, fill the 200 mL bottle with water and pour the entire water into the big bottle. Mark the water level in the big bottle as 200 mL

Again fill the small bottle with water and pour the water into the big bottle. Mark the water level as 400 mL in the big bottle

Again fill the water in the small bottle and pour it into the big bottle. Mark the water level as 600 mL in the big bottle

Again fill the water in the 200 mL bottle and pour it into the big bottle. Mark the water level as 800 mL in the big bottle.

Again fill the water in the 200 mL bottle and pour into the big bottle. Mark the water level as 1000 mL or 1 litre in the big bottle

In this way, you can prepare your own measuring bottle

**Q4. Look at the buckets, mugs, glasses and other things in your house. Guess how much water each can hold. Check if your guess is right by using your measuring bottle.**

	<i>My Guess</i>	<i>My Measure</i>
Mug		
Glass		
Pot		

**Answer:**

Item	My guess	My measure
Small bucket	6 L	6 L



Big bucket	15 L	13 L
Small mug	250 mL	250 mL
Big mug	1 L	950 mL
Small glass	300 mL	300 mL
Big glass	600 L	550 mL

### Neetu in Hospital

Neetu has to take 3 injections in a day for 5 days.

How much medicine will she need for one day?

How much medicine in all for 5 days?



**Q5.** Neetu has to take 3 injections in a day for 5 days. One injection gives 5 mL of the medicine to your body.

(a) How much medicine will she need for one day?

(b) How much medicine in all for 5 days?

**Answer:**

(a) One injection quantity = 5 mL of medicine

She has to take 3 injections in a day =  $5 \text{ mL} \times 3$

= 15 mL of medicine

Hence, for one day, she needs 15 mL of medicine.

(b) Quantity of medicine she is getting in a day = 15 mL

Quantity of medicine for 5 days =  $15 \text{ mL} \times 5$

= 75 mL

Therefore, she needs 75 mL of medicine in 5 days.

**Q6. How much do we use at a time?**

\* **Eye drops** We use less than 1 mL at a time

- \* \_\_\_\_\_
- \* \_\_\_\_\_
- \* \_\_\_\_\_
- \* \_\_\_\_\_

**Answer:**

Eye drops	We use less than 500 mL at a time
Injection	We use less than 9 mL at a time
Tea	We use less than 150 mL at a time
Water	We use less than 250 mL at a time
Milk	We use less than 250 mL at a time

**Q7. List things we use more than one litre at a time.**

\* **Water for taking a bath**

- \* \_\_\_\_\_
- \* \_\_\_\_\_
- \* \_\_\_\_\_

**Answer:**

\* Water for taking a bath

\* Water for washing a four wheeler

\* Water for cleaning kitchen utensils

\* Water for washing clothes

**Q8.**Amina's water bottle holds one litre of water. She drank 250 mL of water and her friend Govind drank 150 mL. How much water is left in her bottle?

**Answer:**

Total water Amina's bottle holds = 1 litre = 1000 mL

Total water drank = water drunk by Amina + water drunk by Govind

= 250 mL + 150 mL

= 400 mL

Water left in Amina's bottle = 1000 mL – 400 mL

= 600 mL

Therefore, water left in Amina's bottle is 600 mL



**Q9.**Yusuf runs a tea shop. For making a glass of tea he uses 20 mL of milk. Yesterday he made 100 glasses of tea. How much milk did he use?

**Answer:**

Milk used for making one glass of tea = 20 mL

So, for making 100 glasses of teas, milk used =  $20 \text{ mL} \times 100$   
 = 2000 mL



**Radha's grandma was ill. The doctor gave her a bottle with 200 mL of medicine. She has to take the medicine every morning for 10 days.**

**Q10.**How many millilitres of medicine does she have to take every morning?

**Answer:**

Quantity of medicine Radha's grandma has to take for 10 days = 200 mL

Medicine taken by her in a day =  $200 / 10$

= 20 mL

Hence, Radha's grandma has to take 20 mL every morning

**Multiple-Choice Questions (MCQs):**

**Q1.Which of the following is typically used for pouring liquids like water or juice?**

- A) Jug**
- B) Mug**
- C) Plate**
- D) Bowl**

**Answer:** A) Jug

**Q2.What is a mug usually used for?**

- A) Serving soup**
- B) Holding hot beverages like coffee or tea**
- C) Cutting fruits**
- D) Storing spices**

**Answer:** B) Holding hot beverages like coffee or tea

**Q3.Which of the following has a handle for easy lifting and drinking?**

- A) Plate**
- B) Bowl**
- C) Jug**
- D) Mug**

**Answer:** D) Mug

**Q4.What is the main purpose of a jug?**

- A) Eating**
- B) Drinking**
- C) Cooking**
- D) Reading**

**Answer:** B) Drinking

**Q5.Which of the following is commonly used for serving individual portions of a beverage?**

- A) Jug**
- B) Mug**
- C) Bowl**
- D) Spoon**

**Answer:** B) Mug

**Fill in the Blanks:**

**Q1.**A \_\_\_\_\_ is a container with a narrow neck, often used for pouring liquids.

**Answer:** jug

**Q2.**A \_\_\_\_\_ is a cylindrical-shaped cup with a handle, usually used for hot drinks.

**Answer:** mug

**Q3.**Jugs and mugs are commonly made of materials such as glass, \_\_\_\_\_, or ceramic.

**Answer:** plastic

**Q4.**The handle on a mug makes it easy to hold without getting your \_\_\_\_\_ too hot.

**Answer:** hands

**Q5.**When pouring from a jug, you often tilt it to control the \_\_\_\_\_ of the liquid.

**Answer:** flow