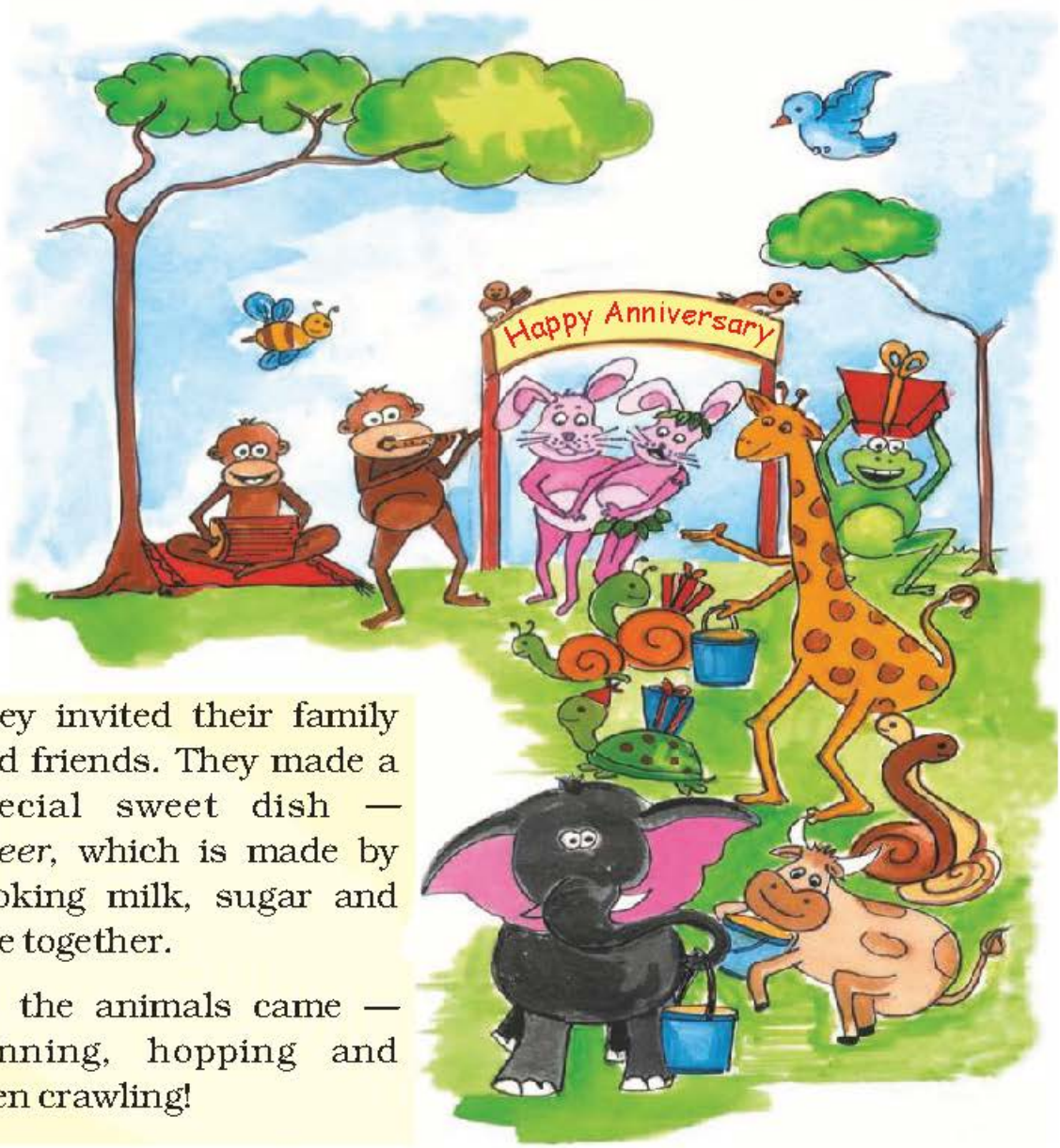
7 Jugs and Mugs

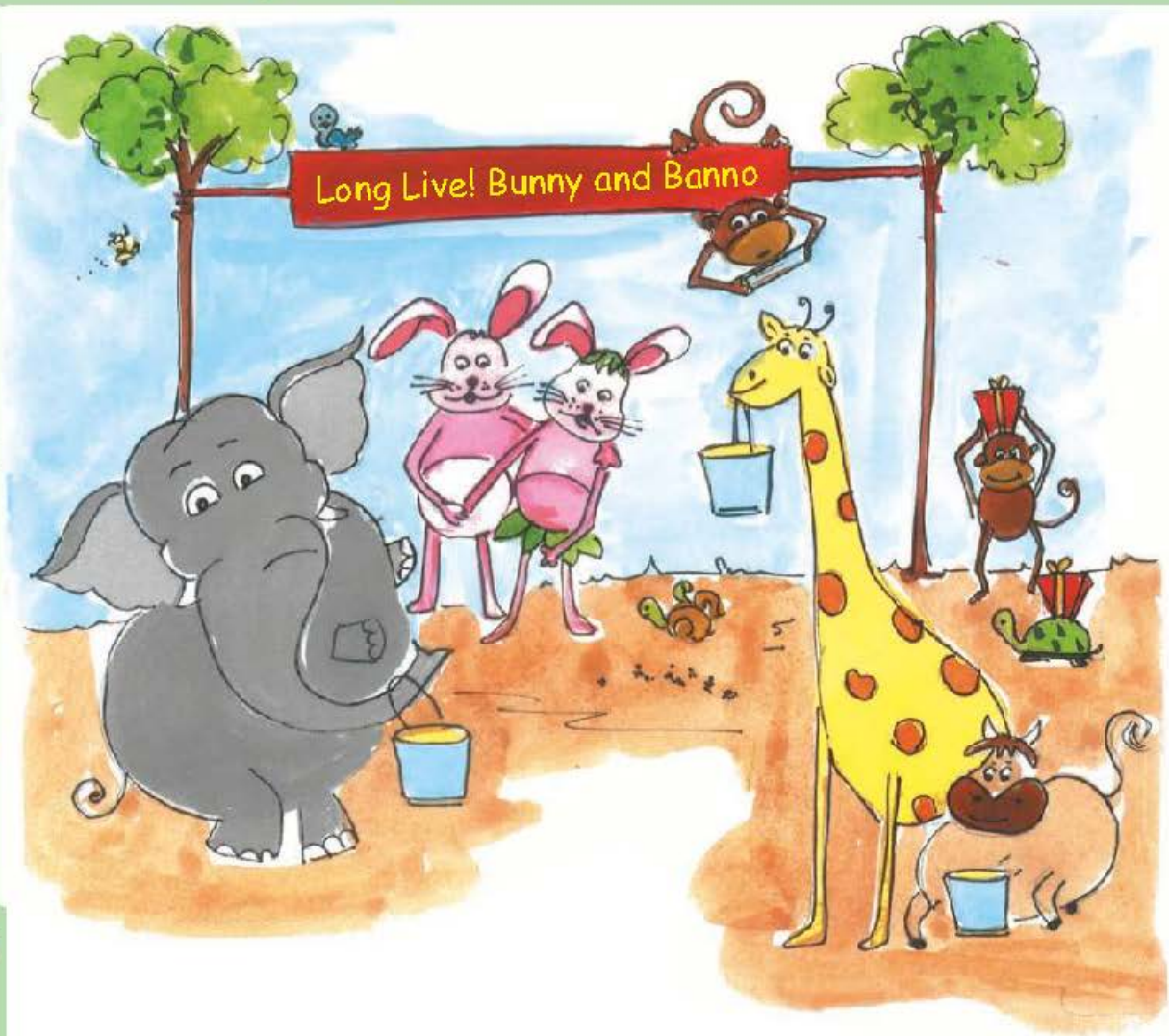
Bunny and Banno Celebrate their Wedding Anniversary.

Do you remember the wedding in Bunny's family last year? (See Math-Magic Class III page 153). Bunny and Banno decided to have a party one year after their wedding.



They invited their family and friends. They made a special sweet dish — *kheer*, which is made by cooking milk, sugar and rice together.

All the animals came — running, hopping and even crawling!



The elephant is drinking 50 litres of *kheer*.

The giraffe is drinking _____ litres.

The cow is drinking _____ litres.

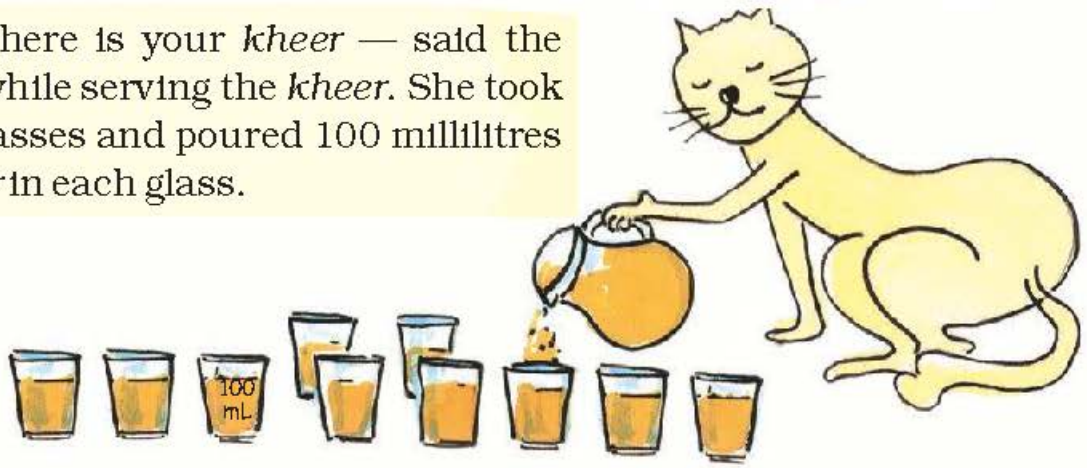
Then came the squirrel. She said — I can't drink 1 litre of *kheer*, please give me only 500 millilitres.

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

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

The frog hopped along with nine other friends. He said — Oh, we only want 100 millilitres each!

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



The donkey looked confused and asked — Ten glasses of 100 mL each. How much is that?

The fox got another chance to show off ! He said — Ah, That is simple! 10 times hundred millilitres is _____ millilitres = _____ litre.

Now you write it 10×100 mL = _____.

Look, a group of ants is marching here! — the grass hopper said.

The *kheer* is finished. Now what can we do? — the cat said sadly.

Don't worry, they won't drink much. Each of them will take only one millilitre. That is all. I will share my *kheer* with them — the elephant said and wiped the cat's tears with his ear.

How many are you all together? — the elephant asked.

We are only one thousand — said the ants.

The cat said — Oh no, one thousand! We have to give *kheer* to 1000 ants!

After thinking the elephant said — No problem, I can manage.

Each ant drinks 1 millilitre of *kheer*.

So, 1000 ants drink: 1000 × 1 mL = _____ mL.

Ah! they will need the same as the ten frogs — said the donkey.

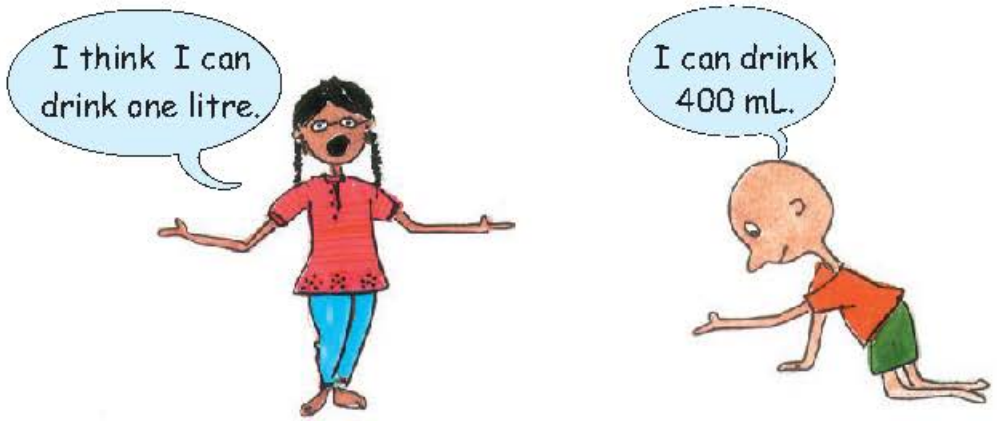
All the ants drank the *kheer*. Everyone was happy. They sang and danced to celebrate the wedding anniversary.

Who can have 1 Litre Kheer

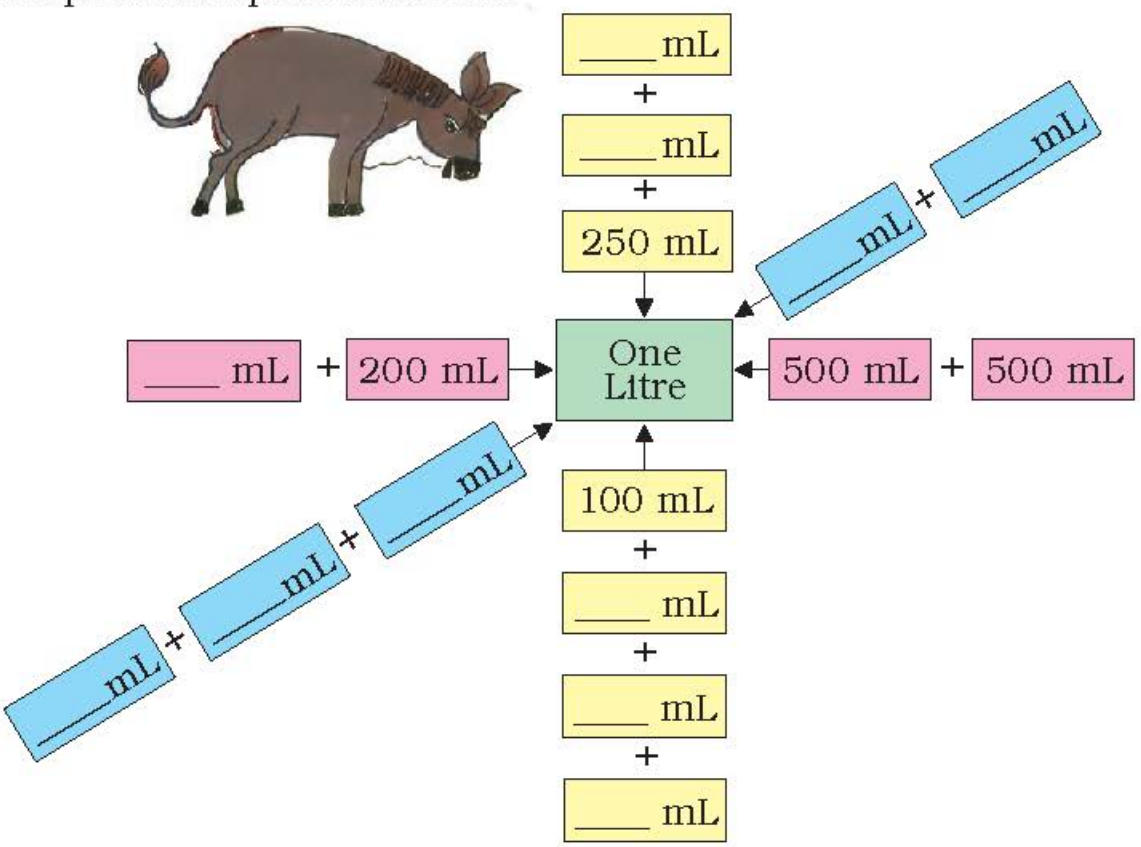
Do you like *kheer*? What do you call it at home?

How much *kheer* can you have?

Can you drink 1 L water at one time?



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



Look Around

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

My Litre Bottle

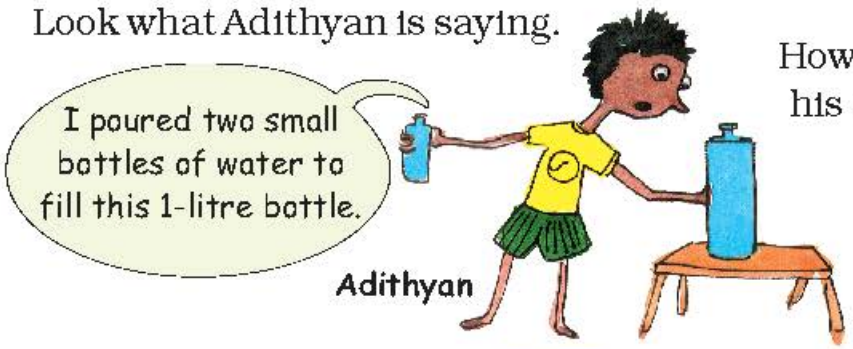
Have you seen a one-litre water bottle?

Collect a 1-litre bottle and some other small bottles. Guess how many times you have to pour from each of the small bottles to fill the litre bottle.

Check if your guess is correct and fill the table.

Bottles	*My guess*	*My measure*
Bottle 1		
Bottle 2		
Bottle 3		

Look what Adithyan is saying.



How much water does his small bottle hold?

_____

Then how much water does Leela's bottle hold? _____

Ramu's Measuring Bottle

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

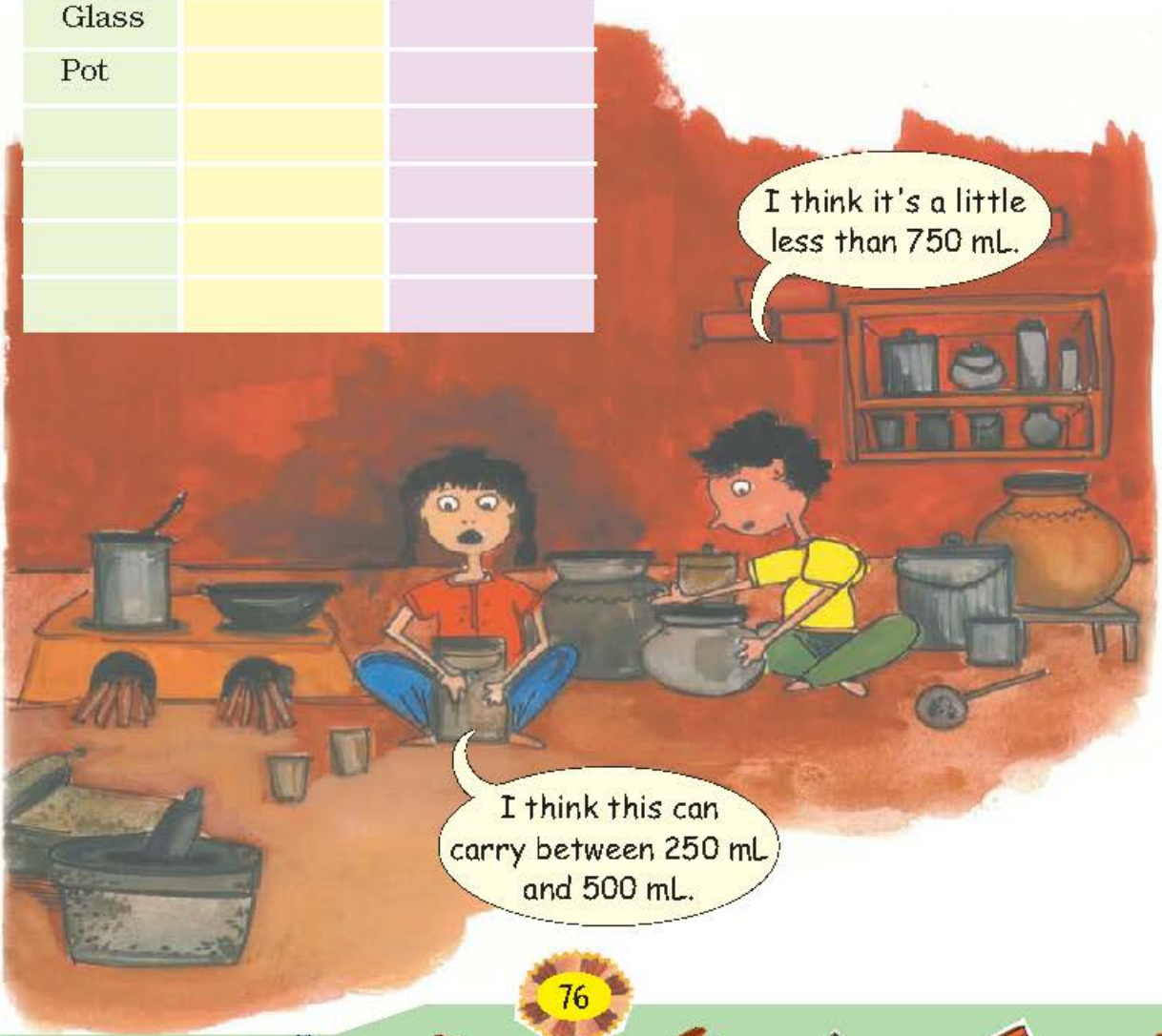
My Measuring Bottle

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.

Guess and check

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.

	My Guess	*My Measure*
Mug		
Glass		
Pot		

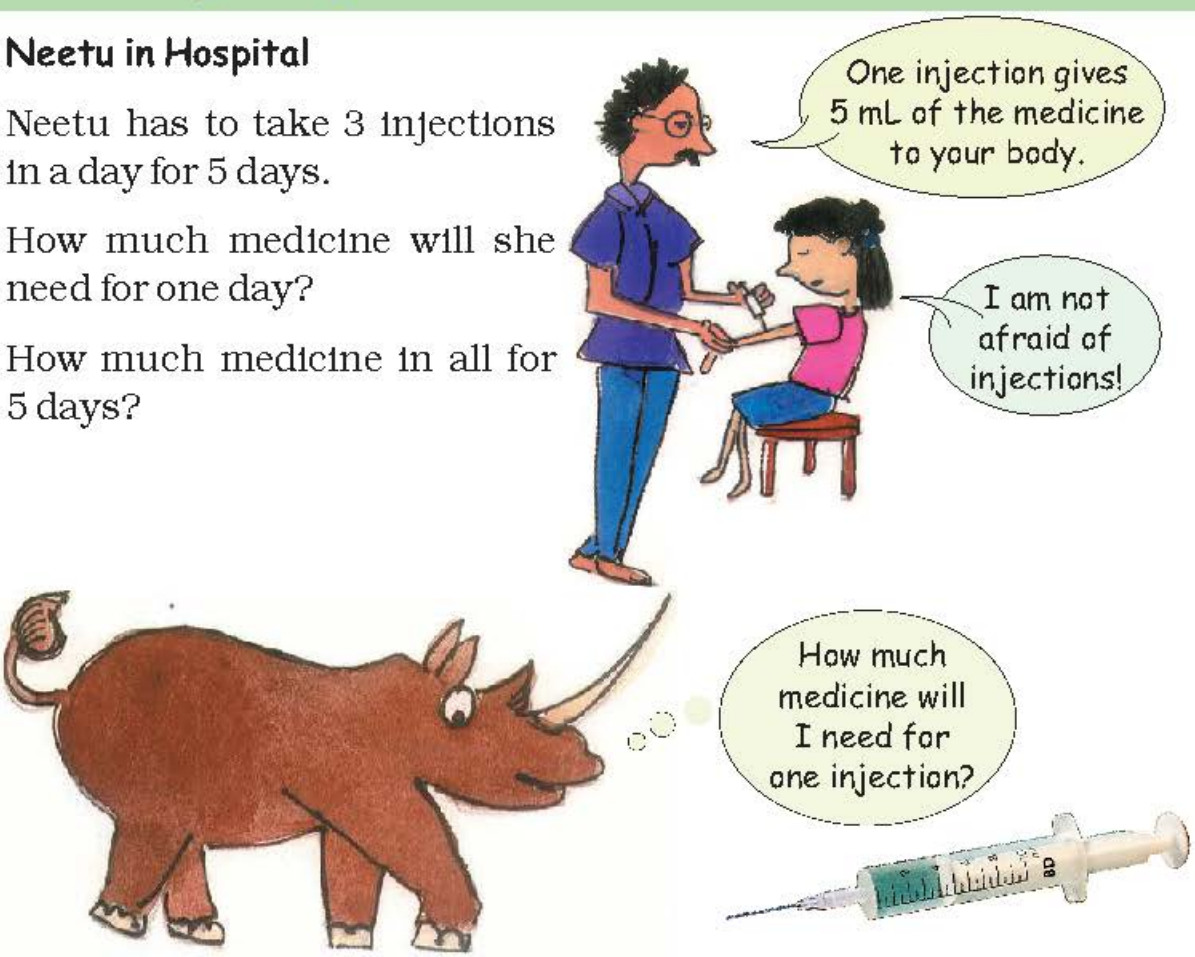


Neetu in Hospital

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?



How much do we use at a time?

- Eye drops — We use less than 1 mL at a time.
- _____ — _____
- _____ — _____
- _____ — _____

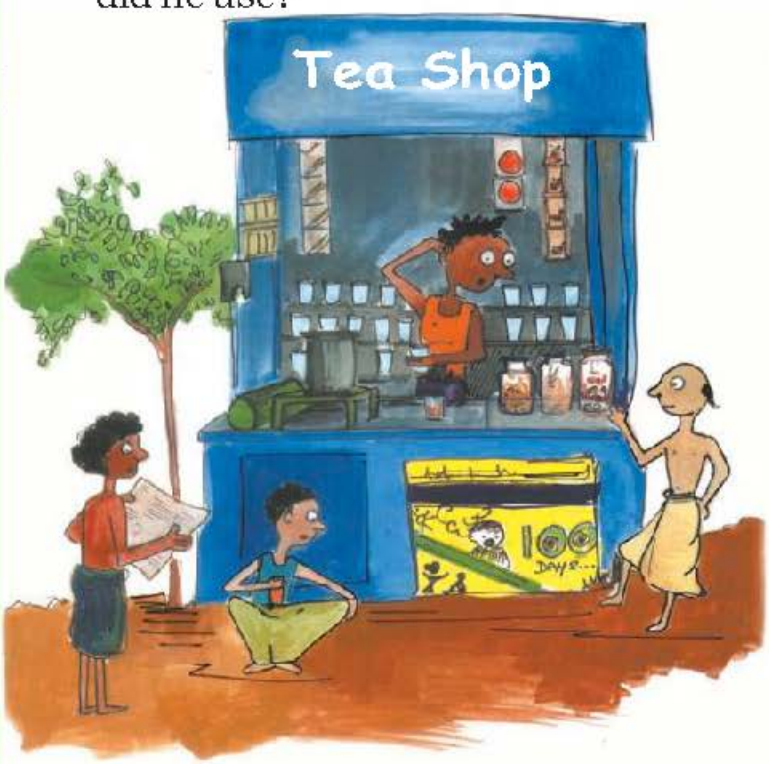
List things we use more than one litre at a time.

- Water for taking bath
- _____
- _____
- _____

Practice Time

1. 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?

2. 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?



3. 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.

   How many millilitres of medicine does she have to take every morning? _____

Water- Water

The table shows the water used in one day by a family of 5 people. They live in Goodallur village.

Activity	*Water in litres (L)*
Cooking and drinking	30 L
Washing clothes	40 L
Cleaning pots, pans	20 L
Bathing	75 L

Total water used by them _____

How many litres of water does your family use in a day? Guess and fill in this table.

Activity	*Water used (in buckets)*	*Water used (in litres)*
Cooking and drinking		
Washing clothes		
Cleaning pots, pans		

Drops and Drops Make an Ocean

Is there any tap in your school or your home which is leaking?

How much water do you think we waste through a leaking tap?

Place your litre jar below the leaking tap so as to catch all the drops in the bottle. Note the time. After one hour check how much water is in the bottle.

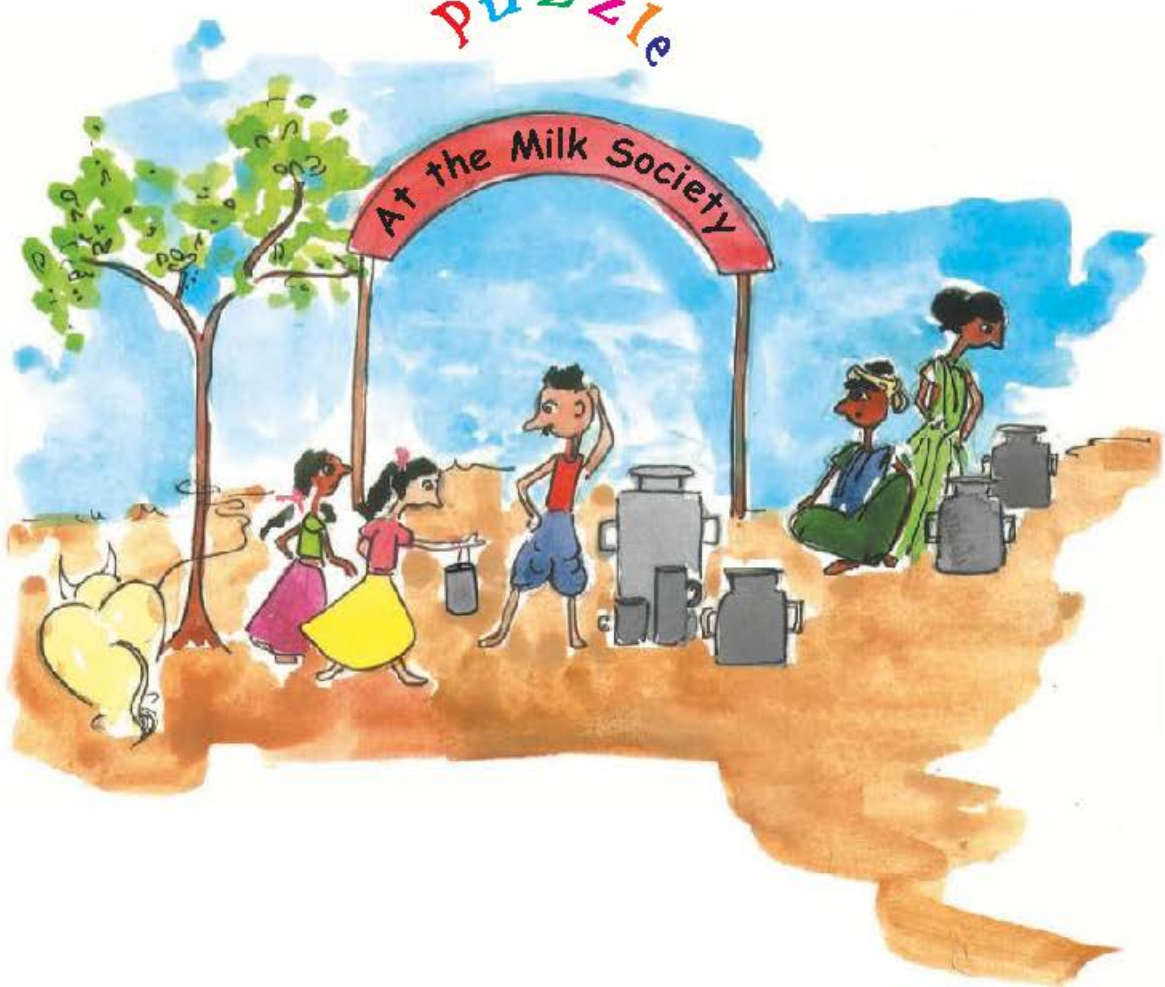
Find out how much water is wasted in a day. _____

In a week? _____

In a month? _____

In a year? _____

Puzzle



Chelannur village has a milk society. Geetha and Ammini went there to buy 4 litres of milk. But the man could not find the one litre measure. He had only a 3 litre and a 5 litre bottle with him. But he gave them exactly 4 litres of milk.

Explain how he did this.