



एन सी ई आर टी
NCERT

NCERT

National Council Of Educational Research
And Training

NCERT Solutions for 4th Class Maths Chapter 7-Jugs And Mugs



IndCareer
Schools



indCareer



indCareer



indCareer

NCERT Solutions for 4th Class Maths Chapter 7-Jugs And Mugs

Class 4: Maths Chapter 7 solutions. Complete Class 4 Maths Chapter 7 Notes.

NCERT Solutions for 4th Class Maths Chapter 7-Jugs And Mugs

NCERT 4th Maths Chapter 7, class 4 Maths Chapter 7 solutions

Pages 70-72

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

Ans. No, 500 millilitre is not more than a litre, rather it is less than one litre. It is half litre.

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs>

L

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

2. The donkey looked confused and asked – Ten glasses of 100 ml each. How much

is that?

Ans. Ten glasses of 100 ml

$$= 10 \times 100 \text{ ml .}$$

$$= 1000 \text{ ml}$$

$$= 1 \text{ litre.}$$

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

Ans.

10 times hundred millilitre

$$= 10 \times 100 \text{ ml}$$

$$= 1000 \text{ ml}$$

$$= 1 \text{ litre.}$$

4. The cat said-Oh no, one thousand! We have to give kheer to 1000 suits!

After thinking the elephant said-No problem, I can manage. Each ant drinks 1 millilitre of kheer.

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

Ans. As each ant drinks 1 millilitre of kheer

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

$$= 1000 \text{ mL}$$

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

= 1 litre.

NCERT 4th Maths Chapter 7, class 4 Maths Chapter 7 solutions

Page 73

1. How much kheer can you have?

Ans. I can have only 200 ml of kheer.

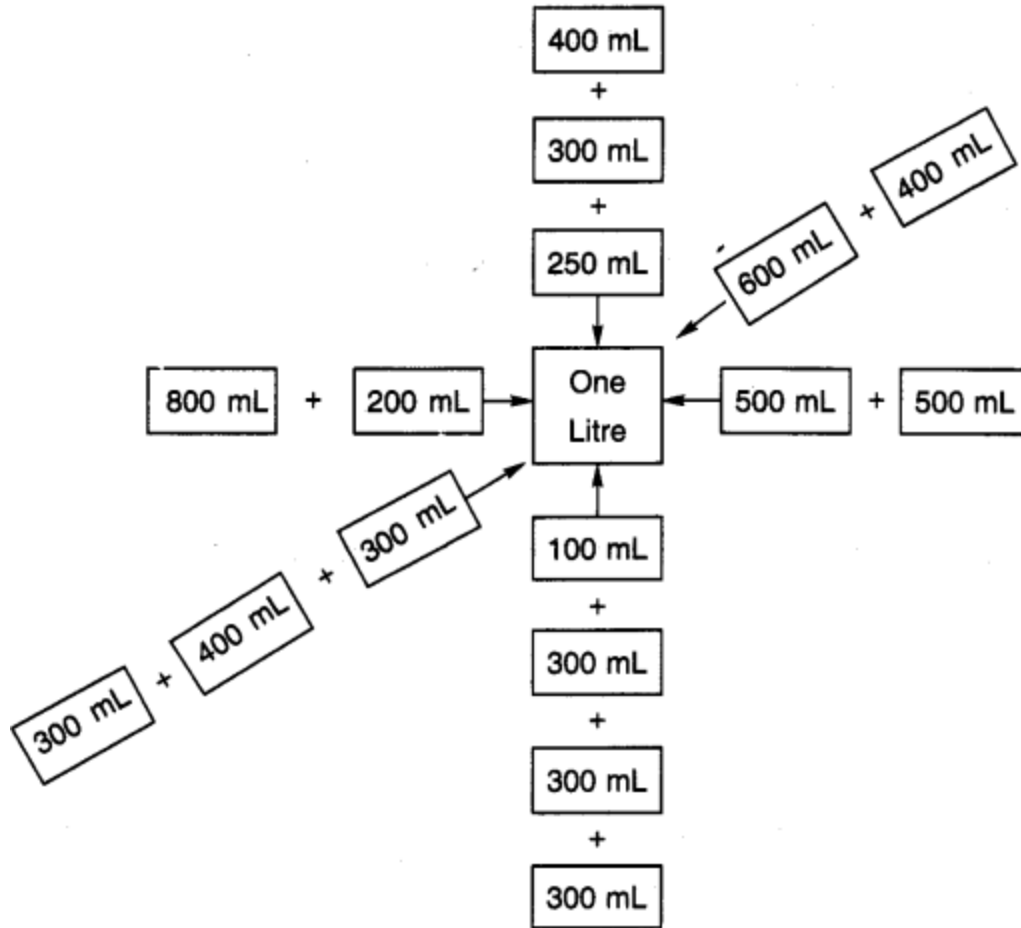
2. Can you drink 1 L water at one time?

Ans. No. I cannot drink 1 L water at one time.

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

Ans.

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>



Page 74

Look Around

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

Ans.

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

<i>Packet</i>	<i>How many mL or L?</i>
Milk	500 mL
Cold drink	1000 mL or 1 L
Kissan drink	500 mL
Tomato sauce	970 mL
Eye drop	5 mL
Cough syrup	100 mL
Glue	100 mL

My Litre Bottle

1. Have you seen a one-litre water bottle?

Ans. Yes. I have seen water bottle of one litre.

Page 75

1. Check if your guess is correct and fill the table.

Ans.

<i>Bottles</i>	<i>My guess</i>	<i>My measure</i>
Bottle 1	100 mL	100 mL
Bottle 2	500 mL	500 mL
Bottle 3	1 L	970 L
Bottle 4	2 L	2 L
Bottle 5	1.5 L	1.5 L

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

2. Look what Adithyan is saying. I poured two small bottles of water to fill this 1-litre bottle.

- How much water does his small bottle hold?

Ans. This small bottle holds 500 mL of water.

- Leela-to fill the 1 litre bottle I need to pour water 5 times from my small bottle. Then how much water does Leela's bottle hold?

Ans. Leela's bottle holds 200 mL of water. Because $200 \text{ mL} \times 5 = 1000 \text{ mL} = 1 \text{ Litre}$

NCERT 4th Maths Chapter 7, class 4 Maths Chapter 7 solutions

Ramu's Measuring Bottle

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

Ans.



<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

- (a) He took the 250 mL coconut bottle and fill it with water.
- (b) He then pours one bottle of water in big bottle, and mark the water level as 250 mL.
- (c) He again pours one 250 mL bottle of water in big bottle and mark the water level as 500 mL.
- (d) By pouring third 250 mL bottle of water in big bottle, he mark the water level as 750 mL.
- (e) After pouring four 250 mL bottle of water in big bottle, he mark the water level as 1000 mL or 1 L.

Page 76

My Measuring Bottle

1. 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.

Ans. Take a large bottle and a 200 mL bottle.

Fill water in the 200 mL bottle and pour it in the big bottle. Mark the water level in big bottle as 200 mL.

Again fill water in the 200 mL bottle and pour it in the big bottle. Mark the water level in big bottle as 400 mL.

Again fill water in the 200 mL bottle and pour it in the big bottle. Mark the water level in big bottle as 600 mL.

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

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

Doing this you can prepare your own measuring bottle.

Guess and Check .

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

2. 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.

Ans. My guess and measures

<i>Item</i>	<i>My guess</i>	<i>My measure</i>
Small bucket	5 L	5 L
Big bucket	10 L	12 L
Small mug	250 mL	250 mL
Big mug	1 L	900 mL
Small glass	250 mL	200 mL
Big glass	500 L	500 mL

NCERT 4th Maths Chapter 7, class 4 Maths Chapter 7 solutions

Page 77

Neetu in Hospital

1. 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?

Ans. One injection contains 5 mL of medicine

She requires 3 injections a day

So she needs medicine in one day = $5 \text{ mL} \times 3 = 15 \text{ mL}$ of medicine.

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

Ans. In one day she is getting 15 mL of medicine.

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

So, in 5 days medicine in all = $15 \text{ mL} \times 5 = 75 \text{ mL}$.

3. How much do we use at a time?

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

Ans.

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

Cough syrup We use 5 mL at a time.

Tea We use about 40 mL at a time

Milk We take about 200 mL at a time

Water We drink about 250 mL at a time.

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

Water for taking bath.

Ans.

1. Water for taking bath.
2. Water for washing cloths.
3. Water for flushing a toilet.
4. Petrol to fill up the tank of a bike or a car
5. Water to wash kitchen utensils.

NCERT 4th Maths Chapter 7, class 4 Maths Chapter 7 solutions

Page 78

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?

Ans. Total water holds in bottle = 1 litre = 1000 mL

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

Total water they drank = Water drunk by Anima + Water drunk by Govind
= 250 mL + 150 mL = 400 mL

Water left in her bottle = 1000 mL – 400 mL
= 600 mL.

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?

Ans. For making 1 glass of tea milk is used
= 20 mL

Therefore, for making 100 glasses of teas, milk is used
= 20 mL x 100
= 2000 mL.

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?

Ans. In 10 days Radha's gandma has to take 200 mL of medicine
So, in 1 day she has to take = 200 mL ÷ 10
= 20 mL.

Page 79

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

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

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

1. Total water used by them = ?

Ans. Total water used by them

$$= 30 \text{ L} + 40 \text{ L} + 20 \text{ L} + 75 \text{ L} = 165 \text{ L}.$$

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

Ans.

<i>Activity</i>	<i>Water used (in buckets)</i>	<i>Water used (in litres)</i>
Cooking and drinking	2 buckets	20 L
Washing clothes	5 buckets	50 L
Cleaning pots, pans	2 buckets	10 L
Bathing	8 buckets	80 L
Cleaning house	1 bucket	10 L

Pages 79-80

$$\text{Total water used in a day} = 20 \text{ L} + 50 \text{ L} + 10 \text{ L} + 80 \text{ L} + 10 \text{ L} = 170 \text{ L}$$

Drops and Drops Make an Ocean

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

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

Ans. No, there is no tap in my school or in my home which is leaking.

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

Ans. I think about 50 litres of water is wasted through a leaking tap everyday.

3. 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.

Ans. In one hour water collected in bottle = 1 L.

4. Find out how much water is wasted in a day?

Ans. In one hour 1 L water is wasted

So, in 1 day or 24 hours water wasted = 1 L x 24 = 24 L.

• **In a week?**

Ans. In one day 24 L of water is wasted

So, in one week or 7 days = 24 L x 7 = 168 L.

• **In a month?**

Ans. In one day 24 L of water is wasted

Therefore, in a month which has 30 days, water wasted

= 24 L x 30 = 720 L.

• **In a year?**

Ans. In one month 720 L of water is wasted

Therefore in one year, which has 12 months water wasted

= 720 L x 12 = 8640 L.

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

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

Ans. First of all he measure 2 time with 5 litre bottle in a container which becomes

$$= 5L \times 2 = 10L$$

Then he pour out 3L of milk thrice, by this way he poured out total milk

$$= 3L \times 3 = 9L$$

The milk left in the container

$$= 10L - 9L = 1L$$

Using this process the milkman gave 1 L of milk using 3 L and 5 L bottles.



Chapterwise NCERT Solutions for Class 4 Maths :

- Chapter 1: Building with Bricks
- Chapter 2: Long and Short
- Chapter 3: A Trip to Bhopal
- Chapter 4: Tick-Tick-Tick
- Chapter 5: The Way The World Looks
- Chapter 6: The Junk Seller
- Chapter 7: Jugs and Mugs
- Chapter 8: Carts and Wheels
- Chapter 9: Halves and Quarters
- Chapter 10: Play with Patterns
- Chapter 11: Tables and Shares
- Chapter 12: How Heavy? How Light?
- Chapter 13: Fields and Fences
- Chapter 14: Smart Charts

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>

About NCERT

The National Council of Educational Research and Training is an autonomous organization of the Government of India which was established in 1961 as a literary, scientific, and charitable Society under the Societies Registration Act. The major objectives of NCERT and its constituent units are to: undertake, promote and coordinate research in areas related to school education; prepare and publish model textbooks, supplementary material, newsletters, journals and develop educational kits, multimedia digital materials, etc. Organise pre-service and in-service training of teachers; develop and disseminate innovative educational techniques and practices; collaborate and network with state educational departments, universities, NGOs and other educational institutions; act as a clearing house for ideas and information in matters related to school education; and act as a nodal agency for achieving the goals of Universalisation of Elementary Education. In addition to research, development, training, extension, publication and dissemination activities, NCERT is an implementation agency for bilateral cultural exchange programmes with other countries in the field of school education. Its headquarters are located at Sri Aurobindo Marg in New Delhi. [Visit the Official NCERT website](#) to learn more.

<https://www.indcareer.com/schools/ncert-solutions-for-4th-class-maths-chapter-7-jugs-and-mugs/>