

## Jugs and Mugs

### Wedding in Bunny's Family

#### Question 1:

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There is a wedding in Bunny's family, a family of rabbits. Many guests are invited — deer, monkeys, elephants, cats, dogs, mice, foxes, camels, mongoose, etc. A special drink is served to all the guests — one glass each. Everyone finds the drink very tasty but some small guests like \_\_\_\_\_, \_\_\_\_\_ cannot finish a full glass. But \_\_\_\_\_ is able to finish his glass. Some others like \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_ ask for more than one glass.

#### Answer:

Do it by yourself. Answers may vary. Fill in the blanks by considering the drinking capacity of the animals. Small animals can drink less glasses while big animals can drink more glasses. A sample answer is:

Everyone finds the drink very tasty but some small guests like **rats**, **cats** cannot finish a full glass. But the **deer** is able to finish his glass. Some others like **elephants**, **giraffes**, **deer**, **camels** ask for more than one glass.

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#### Question 2:

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Help him fill the table. Have fun!

<i>Drank how much</i>	<i>Name of guest</i>
Less than 1 glass	_____ , _____
Between 1-5 glasses	_____ , _____
Between 5-10 glasses	_____ , _____
More than 10 glasses	_____ , _____

**Answer:**

Do it by yourself. Answers may vary. An animal's capacity for drinking depends on its size. Big animals will drink more glasses and small animals will drink less. A sample answer is:

<i>Drank how much</i>	<i>Name of guest</i>
Less than 1 glass	Rat _____ , Cat _____
Between 1-5 glasses	Dog _____ , Fox _____
Between 5-10 glasses	Deer _____ , Tiger _____
More than 10 glasses	Camel _____ , Elephant _____

**Question 2:**

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About how many glasses of water do you drink in a day?

Summer day: \_\_\_\_\_ glasses

Winter day: \_\_\_\_\_ glasses

Can you guess how much water goes out of you?

**Answer:**

Do it by yourself. Answers may vary. Drinking water is very important for humans. Water keeps our body hydrated and keeps us active throughout the day.

On summer days a child should drink 10 - 15 glasses of water.

On winter days a child should drink 8 - 10 glasses of water.

## Bottles and Buckets

**Question 3:**

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Make a small drawing if you like.

<i>Less than 1 litre</i>	<i>More than 1 litre</i>
bowl 	big cooking pot 

**Answer:**

Do it by yourself. Answers may vary. A sample answer is:

Less than 1 litre	More than 1 litre
bowl 	big cooking pot 
cup 	One pressure cooker
a glass	one bottle of water
a coffee mug	One jug
a feeding bottle	one drum

**Question 4:** (Page 155)

Use a 1-litre bottle and check if your guess is right for all the buckets.

Bucket	My guess	My measure
Bucket 1		
Bucket 2		
Bucket 3		

**Answer:**

Do it by yourself. Answers may vary. Bucket 1 is the smallest bucket and bucket 2 and bucket 3 are almost the same in height. But bucket 3 is a little wider. A sample answer is:

Bucket	My guess	My measure
Bucket 1	5 litre	4.5 litre
Bucket 2	10 litre	10 litre
Bucket 3	10 litre	12 litre

## Match the Right Pairs

### Question 5:

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About 12 litres



Less than  $\frac{1}{2}$  litre



About 5 litres



1000 litres



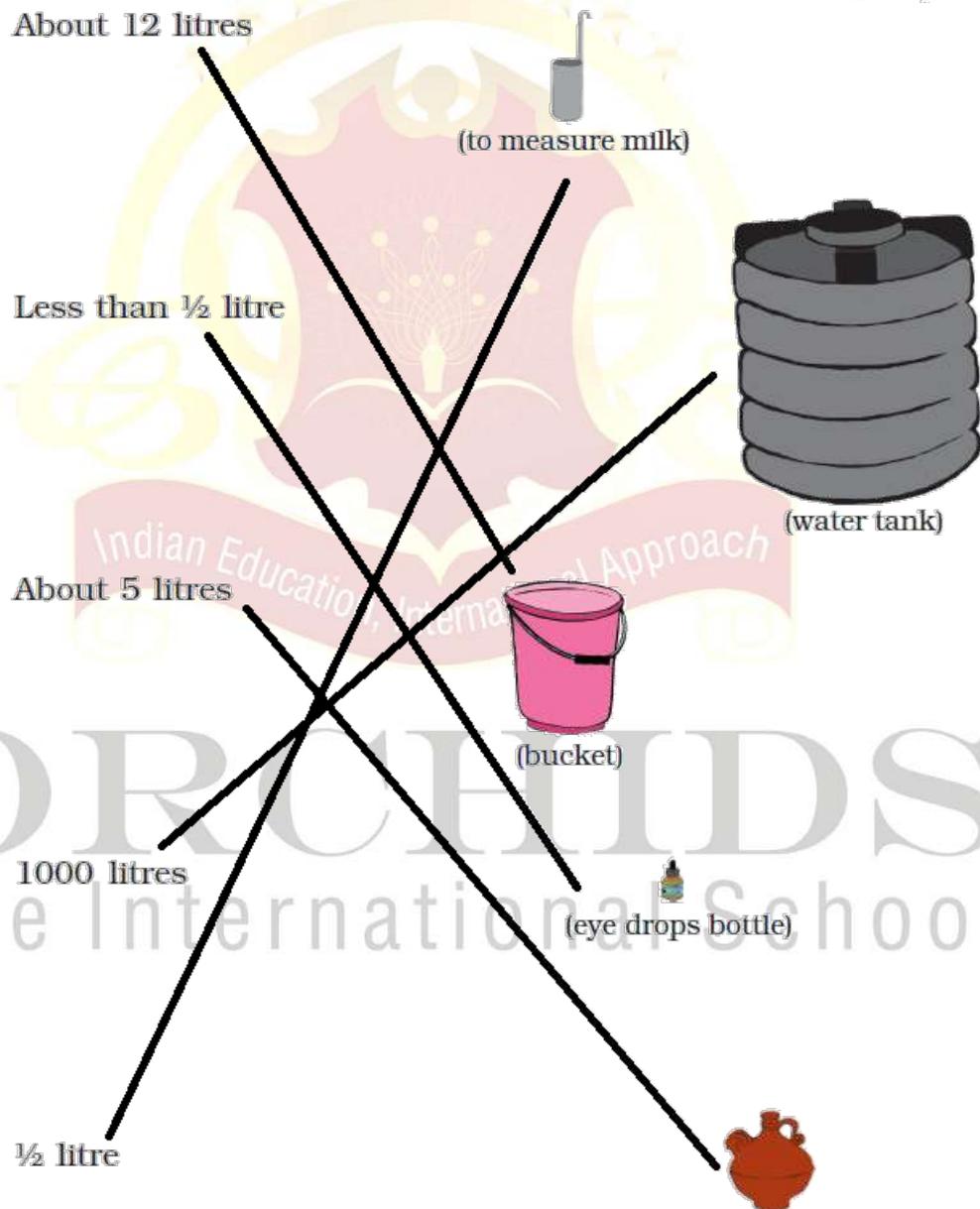
$\frac{1}{2}$  litre



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**Answer:**

Observe the given things in your surroundings and guess their capacities. The correct answer is:



## Whose Jug Holds More?

### Question 6:

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If Naima pours one glass of water in her jug, it looks like this:



Naima thinks she will have to pour around 3 glasses of water to fill the jug.

a) What do you think?

If Jeetu pours one glass of water in his jug, it looks like this:



b) Whose jug holds more water?

c) How many glasses of water do you think Jeetu should pour to fill his jug?

d) If Jeetu pours one more glass of water his jug will be around \_\_\_\_\_ full.

### Answer:

a) Naima is correct. It will take 3 glasses to fill the jug.

b) Jeetu's jug holds more water.

c) Jeetu should pour about 3 more glasses of water to fill his jug.

- d) If Jeetu pours one more glass of water, his jug will be around half full.

## Filling Pots

### Question 6:

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Naseem and Abdul had to fill their pots each with water. Both pots were equally big and heavy. So, they went to the tap again and again, filled their own bottles and poured water into the pots.



Naseem had to fill her bottle 16 times from the tap. But Abdul had to fill his bottle only 8 times.

- a) Why did Naseem go more times than Abdul?  
b) Naseem's bottle can hold (twice/half/three times) as much water as Abdul's bottle.

### Answer:

- a) Naseem is filling her pot with a bottle. Her bottle is smaller than Abdul's bottle. So, she is taking more time than Abdul to fill the pot.  
b) Naseem has to go 16 times to the tap to fill her bottles whereas Abdul has to go 8 times to fill his bottle. Since

$$16 = 2 \times 8$$

Abdul's bottle can hold twice the water as Naseem's bottles.

Therefore, Naseem's bottle can hold half of the water Abdul's bottle can.

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## How Many Glasses?

**Question 7:**

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Pot B holds 11 glassfuls of water. Pot A holds twice as much water as pot B. How many glasses of water are needed to fill pot A?

**Answer:**

Capacity of Pot A is twice that of Pot B. Since capacity of Pot B is 11 glasses of water, twice the capacity of pot B is:

$$11 \times 2 = 22$$

Therefore, 22 glasses of water are needed to fill up Pot A.

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## Filling Potholes

**Question 8:**

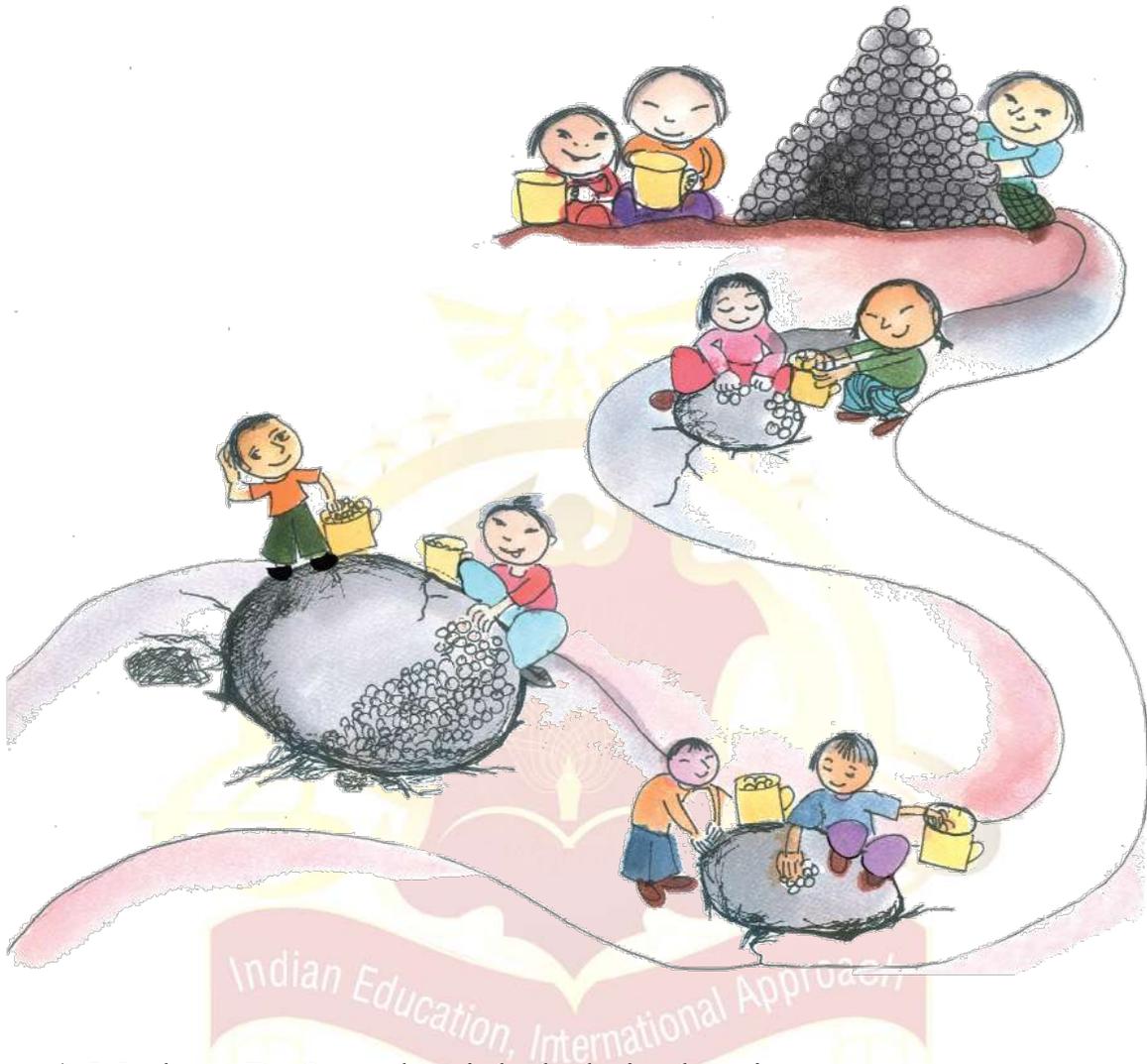
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This is a small town near Kohima. There are some potholes in the road. Before the rains come, children want to fill the holes with pebbles. They bring pebbles in mugs of the same size.

Hole A gets filled with 9 mugs of pebbles.

Hole B gets filled with 18 mugs of pebbles.

Hole C gets filled with 12 mugs of pebbles.



a) Mark A, B, C on the right hole in the picture.

b) Which is the biggest pothole?

c) If jugs are used, hole A gets filled with 5 jugs. How many jugs of pebbles are needed to fill hole B?

**Answer:**

- a) Since hole B gets filled with 18 mugs, C with 12 mugs, and A with 9 mugs of pebbles, mark the biggest path hole with B, the bigger one with C and the smaller one with A.



- b) B is the biggest pothole.
- c) 9 mugs fill up hole A and 18 mugs fill up hole B. Since  $18 = 2 \times 9$ , hole B is twice as big as hole A. Since 5 jugs can fill up the hole A, twice of 5 jugs are needed to fill up hole B.
- $$2 \times 5 = 10$$
- Therefore, 10 jugs of pebbles are needed to fill up hole B.