

|      |                                                                              |
|------|------------------------------------------------------------------------------|
| M307 | compares the capacity of different containers in terms of non standard units |
|------|------------------------------------------------------------------------------|

### LEVEL-1

**Test item-1:** Which of the following can hold 10 litres of water?

Option A:



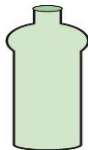
Option B:



Option C:



Option D:



Correct Option : A

**Test item-2:** Given bottle is filled with milk.



Which of the following can hold the entire milk of the bottle?

Option A: 

Option B: 

Option C: 

Option D: 

Correct Option : D

**Test item-3:** Anil drinks 14 glasses of water in a day. How many glasses of water does he drink in a week?

**Option A:** 14glasses

**Option B:** 28glasses

**Option C:** 7 glasses

**Option D:** 98glasses

Correct Option : D

**Solution:**

Total glasses of water =  $7 \times 14$  glasses = 98 glasses

**Test item-4:** Which is the most appropriate tool to measure 500 ml of ghee?

Option A: **A Ruler**

Option B: **A weighting scale**

Option C: **A measuring jug**

Option D: **A meter sod**

Correct Option : C

**Solution:**

Ghee is liquid therefore measuring jug is used to measure ghee

**Test item-5:** One jug holds 4 glasses of water. Neha used 2 glasses of water.

Select the correct statement

- (a) Neha used half of the water.
- (b) Neha used more than half of the water.
- (c) Neha used less than half of the water.
- (d) Neha used the complete water.

**Hints/ Solution :**

Statement (a) is correct.

1 Jug= 4 glasses

$$= 1+1+1+1$$

$$= 2+2$$

So, 2 glasses= half jug

**Test item-6:** Given bottle contains 4 glasses of Milk.



Meenakshi needs 16 glasses of water.

Total number of such bottles she needs is \_\_\_\_\_

**Hints/ Solution :**

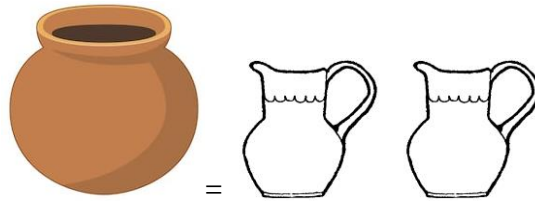
1 bottle= 4 glasses

16 glasses = 4 glasses + 4 glasses + 4 glasses + 4 glasses

= 1 bottle + 1 bottle + 1 bottle + 1 bottle

= 4 bottles

**Test item-7:** One pot holds 2 jugs of water.



Read the observations:

**Venkat:** Each jug holds half of the Pot's water.

**Bhuvan:** Pot full of water can be emptied into two jugs completely

Who is correct?

**Hints/ Solution :**

Both Venkat and Bhuvan are correct.

**Test item-8:** Which of the following activity requires more than 5 litres of water?

**Option A:** Brushing teeth

**Option B:** Washing an Apple

**Option C:** Drinking a glass full of water

**Option D:** Washing a bed sheet

**Correct Option:** D

**Test item-9:** Sulakshna packed 5 glasses of sharbat in 1 bottle. She had 3 such bottles. How many glasses of sharbat she can serve?

.

**Option A:** 5

**Option B:** 15

**Option C:** 10

**Option D:** 3

**Correct Option:** B

**Hints/ Solution :**

1 bottle= 5 glasses

3 bottles = 5 glasses + 5 glasses + 5 glasses

= 15 glasses

**Test item-10:** A drum half filled with water is emptied into 20 buckets. Total buckets can be filled with drum full of water is \_\_\_\_\_

**Option A:** 40

**Option B:** 20

**Option C:** 30

**Option D:** 10

**Correct Option:** A

**Hints/ Solution :**

20 Buckets= half Drum

20 buckets + 20 buckets = Full Drum

40 buckets can be filled with drum full of water.

## LEVEL-2

**Test item-1:** Arrange the following in the descending order of their capacity.



Dropper



1 litre bottle



Water can

**Option A:** 1 litre bottle , water can, dropper

**Option B:** water can, 1 litre bottle, dropper

**Option C:** dropper, water can, 1 litre bottle

**Option D:** dropper, 1 litre bottle, water can

**Correct Option:** B

**Hints/ Solution:**

The child will compare the size of the vessels and then order them according to their capacity in descending order.

**Test item-2:** A jug completely filled with water is emptied into five identical glasses.



How many jugs can be filled with 15 glasses used above?

- Option A: 5
- Option B: **3**
- Option C: 15
- Option D: 6

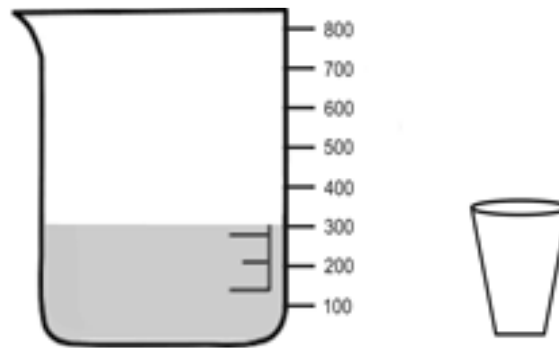
Correct Option : B

**Solution:**

1 jug = 5 glasses

5 glasses + 5 glasses + 5 glasses = 1 jug + 1 jug + 1 jug = 3 jugs

**Test item-3:** Harpreet poured 3 glasses of water into the jug.(as shown below)



How many glasses of water needed more to fill the jug completely?

**Option A:** 5

**Option B:** 4

**Option C:** 3

**Option D:** 2

**Correct Option:** A

**Hints/Solution:**

Capacity of jug = 800 units

Capacity of glass = 100 units

Water need to fill the jug completely = 500 units or 5 glasses

**Test item-4:** Which of these vessels will hold more than 1 litre of water?



**Can**



**Spoon**



**Tub**



**Bucket**

**Option A:** Tub

**Option B:** Tub & Bucket

**Option C:** Tub, Can & Bucket

**Option D:** All of them

**Correct Option:** C

**Hints/ Solution :**

1 litre = 1000 ml

The capacity of all objects except spoon is more than 1 litre.

**Test item-5:** Arrange the vessels in the ascending order according to their capacity.



**Glass**



**Jug**



**Water Tank**



**Milk Can**

**Option A:** Glass, jug, water tank, milk can

**Option B:** glass, jug, milk can, water tank

**Option C:** water tank, Milk can, jug, glass

**Option D:** Milk can, water tank, jug, glass

**Correct Option:** B

**Hints/ Solution :**

Capacity is the amount of liquid a vessel can hold, so the smaller the vessel, the lesser the will be the capacity.

glass has the least capacity as its size is the smallest and the tank will have the most capacity. Out of milk can and jug, jug has the more capacity.

**Test item-6:** Pot-A holds double water than Pot-B.



**A**



**B**

If Pot-A holds 30 glasses of water, find how much Pot-B holds?

Option A: 60 Glasses

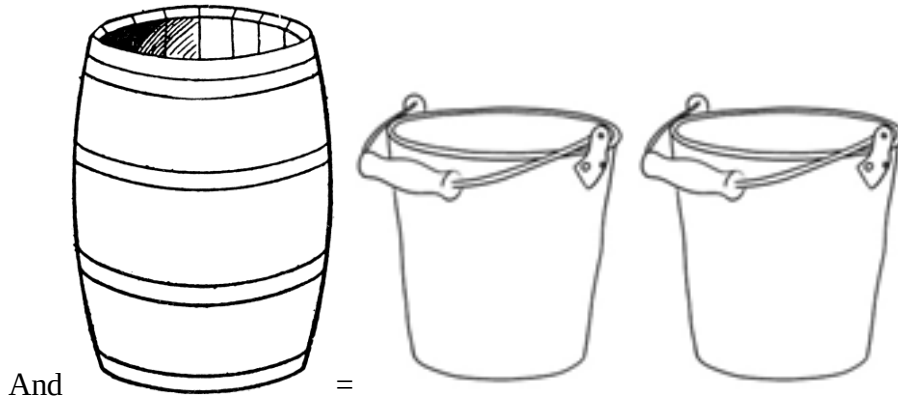
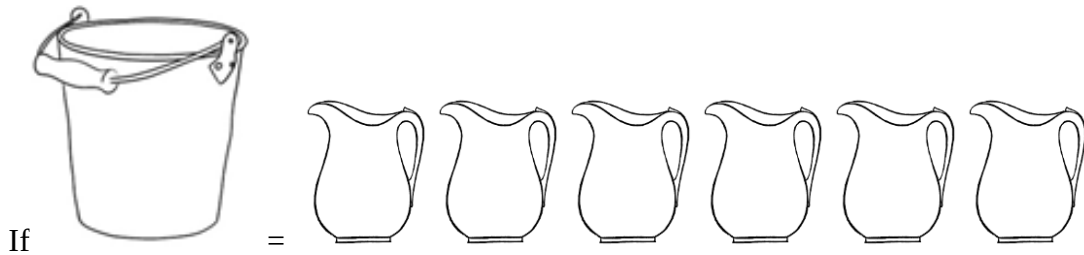
Option B: 30 Glasses

Option C: 10 Glasses

**Option D: 15 Glasses**

Correct Option : D

**Test item-7:**



Find how much jug of water is needed to fill the drum?

Option A: **12**

Option B: **6**

Option C: **8**

Option D: **1**

Correct Option : A

**Solution:**

1 bucket = 6 jugs  
1 drum = 2 buckets  
So, 1 drum = 12 jugs

**Test item-8:** A pot contains 5 jugs full of water.



Which of the following is true to fill the pot half with water?

- (a) Pour 2 jugs full of water and half jug full of water.
- (b) Pour 2 jugs full of water.

**Hints/ Solution :**

- (a) True
- (b) False

**Test item-9:** Look at the jug and glasses given below.



**A      B**

10 glasses of Type A full of water are needed to fill the jug.

2 glasses of Type- B full of water fills glass of Type- A.

Number of glasses of Type- B, needed to fill the jug is \_\_\_\_\_

**Hints/ Solution :**

1 glass- A = 2 glass B.

1 jug = 10 glass – A

= 20 glass – B.

**Test item-10:** Pot-A holds 60 glasses full of water and Pot-B 15 glasses full of water of same type.



Select the correct statement.

- A. Pot B contains 4 times the amount of water than Pot A holds.
- B. Pot B contains 3 times the amount of water than Pot A holds.
- C. Pot B contains 2 times the amount of water than Pot A holds.

**Hints/ Solution:**

Statement A is correct

Pot-A = 60 glasses = (15+15+15+15) glasses

= 4 times 15 glasses

= 4 times Pot B