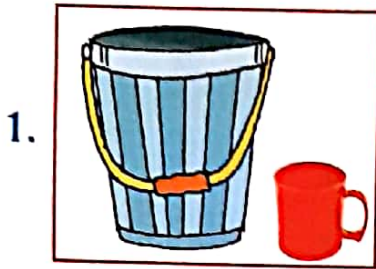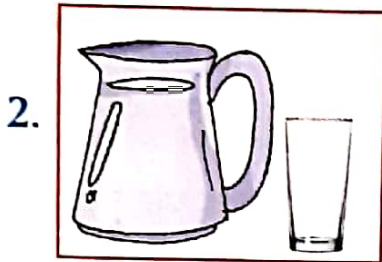# Measurement of Capacity

Let us look at some objects.

1. A bucket can hold more water than a mug.

2. A jug can hold more water than the glass tumbler.

Capacity of a vessel is the quantity of water or any other liquid it can hold. We measure capacity in millilitres and litres.

Millilitres

To measure small quantities of liquid, we use millilitres.

Remember : In short, we write millilitres as ml.

Litres

To measure large quantities of liquid, we use litres.

Remember : In short, we write litres as ℓ.

Remember
1 ℓ = 1000 ml

Fill in the blanks :

1. 2 litres = ...2000... ml

2. 6 litres = ...6000... ml

3. $\frac{1}{2}$ litre = ...500... ml

4. 10 litres = ...10000... ml

MATHEMATICS In Everyday Life–2

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1. **Choose and tick (✓) the correct unit to measure the capacity of:**

(a)   a bottle of cold drink.   mℓ ✓   ℓ ☐

(b)   a bottle of medicine.   mℓ ✓   ℓ ☐

(c)   a water tank in your house.   mℓ ☐   ℓ ✓

(d)   a small water bottle.   mℓ ✓   ℓ ☐

(e)   the petrol tank in your car.   mℓ ☐   ℓ ✓

(f)   a bucket full of water.   mℓ ☐   ℓ ✓

We know 1 ℓ = 1000 mℓ:

2. **Fill in the boxes.**

(a)   1 ℓ = 500 mℓ + $\boxed{500}$ mℓ

(b)   1 ℓ = 250 mℓ + 250 mℓ + 250 mℓ + $\boxed{250}$ mℓ

(c)   1 ℓ = 200 mℓ + 200 mℓ + 200 mℓ + $\boxed{200}$ mℓ + $\boxed{200}$ mℓ

(d)   1 ℓ = 600 mℓ + 200 mℓ + 100 mℓ + $\boxed{100}$ mℓ

(e)   1 ℓ = 500 mℓ + 200 mℓ + 50 mℓ + $\boxed{250}$ mℓ

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Word Problems

1.

A bucket of water can hold 8 ℓ of water while another bucket can hold 6 ℓ only. The total quantity of water in both buckets is ....14.ℓ.............. ℓ.

$$8\,\ell$$
$$+\,6\,\ell$$
$$14\,\ell$$

2.

Mary kept 550 mℓ of tea in a teapot. Raja drank 175 mℓ from it. The quantity of tea left in the teapot is ...375.......... mℓ.

$$550\,ml$$
$$-175\,ml$$
$$375\,ml$$

3.

One glass of water contains 225 mℓ of water. I drank 150 mℓ from it. The amount of water left in the glass is ....75............. mℓ.

$$225\,ml$$
$$-150\,ml$$
$$75\,ml$$

Value Corner

One bottle contains 300 mℓ of orange juice. Another bottle contains 300 mℓ of aerated drink. What is the total quantity of juice in both the bottles? **Which juice is good for your health– Orange Juice or aerated drink?**

Mental Maths Corner

1. Tick (✓) the correct answer :

   (a) 1 m = 20 cm + 20 cm + | 60 | cm

   (i) 40 ☐   (ii) 60   (iii) 20 ✓ ☐

   (b) 1 kilogram = | 1000 | g

   (i) 200 ☐   (ii) 1000   (iii) 800 ✓ ☐

   (c) 50 cm + 150 cm = | 2 | m
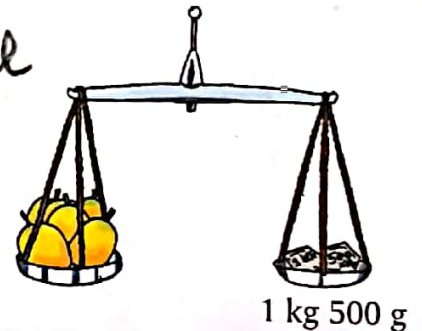
   (i) 200 ☐   (ii) 2   (iii) 1 ✓ ☐

2. (a) How many millilitres are needed to make 500 millilitres into 1 litre?   500 ml

   (b) Weight of 5 mangoes is ......1500....... g.

   1 kg 500 g

Review Exercise

1. Choose the correct unit to measure :

   (a) weight of a ball.

   (b) length of a pencil

   (c) capacity of an ink bottle

   (d) distance between Delhi and Mumbai

   (e) weight of a bicycle

   millilitres Ⓒ
   kilometres Ⓓ
   grams Ⓐ
   kilograms Ⓔ
   centimetres Ⓑ

2. Rohini bought 25 cm of ribbon. She used 18 cm for making her doll's dress. What length of the ribbon is she left with?

3. The weight of Rahul is 28 kg. His sister is 15 kg heavier than him. What is the weight of his sister?

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