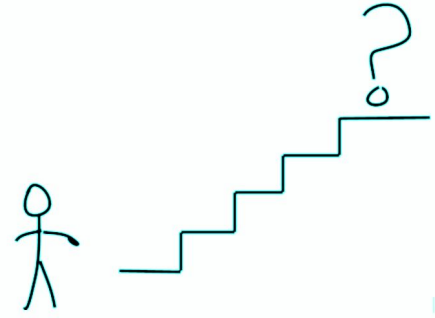CS pathshala
Bringing computational thinking to schools

Question 1. We studied the algorithm to climb steps in order to reach from one floor to another. There are some sentences below. Tick the ones that help you reach from one floor to the other. Cross the ones that don't.

- Sit down on the chair
- Stand up
- Start walking
- Jump up and down
- Climb up the staircase, one step at a time
- Sit on the staircase
- Keep climbing until you reach a different floor

Question 2. We learnt about an algorithm for task "Make a cup of tea" during the class. Look at the first picture. It shows 4 step algorithm to make a cup of tea.

1 Heat up / boil water

2 Place one teabag in a cup/mug

3 Add freshly boiled water to your tea bag

4 Wait for 5 minutes, remove the bag, and enjoy your tea!

Now look at the second picture below. It shows some of the 'things' you will need to make a cup of tea.

Name: **Class:** **Div:** **Roll. No:**

Image Credits:
http://resources.fahcsia.gov.au/consumertrainingsupportproducts/trainers/training_and _assessing/workbook/sec4.htm

Can you name each of these 'things' in the picture above? For example - the last thing is 'milk'.

….1……………………………………………………………………………………

….2……………………………………………………………………………………

….3……………………………………………………………………………………

….4……………………………………………………………………………………

….5……………………………………………………………………………………

….6……………………………………………………………………………………

….7 Milk

Now look at the third picture below. It shows another algorithm to make tea with slightly different steps. Can you label each step and describe what is done first and what is done after that to make a cup of tea in the end? For example - the first step is done for you.
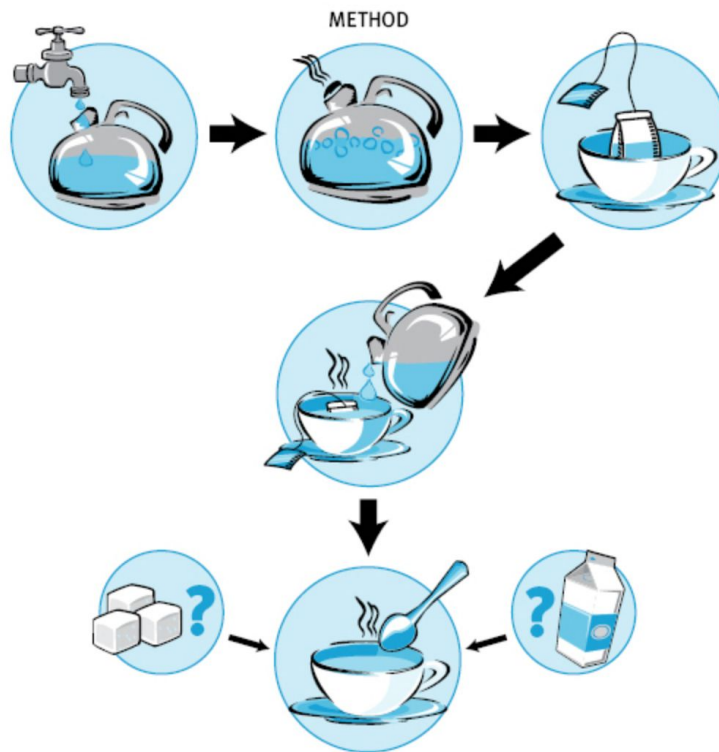
Image Credits:
http://resources.fahcsia.gov.au/consumertrainingsupportproducts/trainers/training_and_assessing/workbook/sec4.htm

Step 1: Fill up some water from a tap into a teapot.

Step 2: ....

Other Steps : ....

Question 3. Loop means doing something again and again and again! Give 3 examples of 'Loop' in day to day activity. For example: The hands of a clock or watch keep going round and round every day and every hour and every minute and every second.

....

....

....