



Introduction:

You have studied about how to write basic algorithms to complete different tasks successfully. You have seen the importance of following the sequence of steps and what happens if you skip any step of the algorithm.

We also saw that there can be different algorithms to complete the same task. The choice of which algorithm to choose may depend upon the money that you will have to spend or the time you can afford to spend.

We also learnt how to make loops in algorithms. Loops are very useful when the same steps have to be repeated again. You do not have to write the same steps again just loop them.

Algorithms are important because they give step by step instructions to computers to compete a particular task.

Questions:

- 1. Can you write an algorithm for opening the door when the doorbell rings?

Step 1: You see who is there through the peep hole

Step 2: Put the chain on the door

Step 3: Open door

Step 4:

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Basic Algorithms
Work Sheet: 03-ALG-09-WS



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2. Can you now modify the algorithm you wrote above to make it faster? (Hint: Your family members can ring the doorbell in a special way like short ring followed by long ring)

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Basic Algorithms
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5. Can you think of an activity where you can use a loop algorithm? Write the steps of the loop.

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