

Kit's Breakfast Algorithm

Learning objective: To understand that an algorithm is a precise sequence of steps to complete a task.

Kit the fox is making toast for breakfast. An algorithm is a list of steps in the right order. Look at the steps below. Some are mixed up! Put the steps in the correct order by writing numbers 1 to 5 in the boxes. Use the word bank to help you understand the words.

Word bank: Algorithm · Sequence · Input · Process · Output

1. Put these steps in order (1-5): [] Put the bread in the toaster. [] Eat the toast. [] Press the lever down. [] Take the toast out. [] Wait for the toast to pop up. (5 marks)

2. What is the 'Input' in this task? (1 mark)

3. What is the 'Output' in this task? (1 mark)

4. Why must the steps be in the right order? (2 marks)

Draw: Draw a picture of Kit the fox following the steps to make toast. Show the bread going into the toaster.



Extension challenge: Can you write a 3-step algorithm for how to brush your teeth?