# Unit 2.1 Algorithms; Lesson 2 - Linear and Binary Searches

**Activity 2**

**Cut out Support Cards**

**OCR Resources**: *the small print*OCR’s resources are provided to support the teaching of OCR specifications, but in no way constitute an endorsed teaching method that is required by the Board, and the decision to use them lies with the individual teacher. Whilst every effort is made to ensure the accuracy of the content, OCR cannot be held responsible for any errors or omissions within these resources.   
© OCR 2016 - This resource may be freely copied and distributed, as long as the OCR logo and this message remain intact and OCR is acknowledged as the originator of this work.

OCR acknowledges the use of the following content:

Please get in touch if you want to discuss the accessibility of resources we offer to support delivery of our qualifications: [resources.feedback@ocr.org.uk](mailto:resources.feedback@ocr.org.uk)

Use the steps below to help you perform the binary search.

1. Take the first value
2. Check if it is the value you are looking for
3. IF it is the value you are looking for
   1. Celebrate and stop
4. ELSE
   1. Move to the next value
   2. Repeat from step 2

Use the steps below to help you perform the binary search.

1. Take the first value
2. Check if it is the value you are looking for
3. IF it is the value you are looking for
   1. Celebrate and stop
4. ELSE
   1. Move to the next value
   2. Repeat from step 2

Use the steps below to help you perform the binary search.

1. Take the first value
2. Check if it is the value you are looking for
3. IF it is the value you are looking for
   1. Celebrate and stop
4. ELSE
   1. Move to the next value
   2. Repeat from step 2

Use the steps below to help you perform the binary search.

1. Take the first value
2. Check if it is the value you are looking for
3. IF it is the value you are looking for
   1. Celebrate and stop
4. ELSE
   1. Move to the next value
   2. Repeat from step 2

Use the steps below to help you perform the binary search.

1. Take the first value
2. Check if it is the value you are looking for
3. IF it is the value you are looking for
   1. Celebrate and stop
4. ELSE
   1. Move to the next value
   2. Repeat from step 2

Use the steps below to help you perform the binary search.

1. Take the first value
2. Check if it is the value you are looking for
3. IF it is the value you are looking for
   1. Celebrate and stop
4. ELSE
   1. Move to the next value
   2. Repeat from step 2