

**Worksheet: Textbook U1 Q8**

1. A learner hands in three homework assignments, which were each given a mark out of 10. All of the marks were different (but that actually doesn't matter for the question). The textbook on page gives a flowchart representing part of an algorithm to find the highest mark, but there are three errors in the diagram.
- a) In full sentences, describe each of the three errors in the diagram for question 8 of unit 1 (it is in the textbook on page 31). Do not consider the missing END block an error. (3)
- In the first input block, the input "mark1" is listed twice. The inputs should be "mark1, mark2, mark3".*
  - The first decision block (drawn in the middle) should have two outputs. The arrow on the left side should be pointing outwards, not inwards.*
  - The four bottom input/output blocks are labeled as inputs, but the algorithm should output the result. Each of these four should be output blocks.*
- b) Use the diagram from your textbook (Unit 1 question 8 on page 31) to correct and complete the diagram. You will need to add the appropriate arrows, fill in each block with the appropriate text, and add YES/NO labels where required. (5)

