

1 Vector images use 'nodes'.

(a) Describe what is meant by a 'node' in a vector image.

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(b) Describe how node editing can be used to change a vector image.

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..... [4]

3 JavaScript uses strings to store data.

This script is intended to display the contents of three variables on a web page.

Line numbers are provided only for your convenience when referring to the code.

```
1 <html>
2 <body>
3
4 <p id="names"> </p>
5 <script>
6 var statementtxt1 = "It's only me, 'Hardeep'";
7 var statementtxt2 = "His name is "Peter"";
8 var statementtxt3 = "We call her Jasmine";
9 document.getElementById( 'names' ).innerHTML = statementtxt1 + "<br>"
  + statementtxt2 + "<br>" + statementtxt3;
10 </script>
11 </body>
12 </html>
```

Explain, giving reasons, why no output is produced when this JavaScript is executed by a web browser as part of a web page.

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(b) Explain how you would amend the existing JavaScript code to add 'beans' to the array so that it would produce this list.

beans
corn
rice
maize
sugarcane

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12 A new app has been created for smartphones, but is unreliable due to some unknown coding errors.

A group of testers has been asked to locate the errors and suggest, in a report, corrections that should be made to the code before the app is ready for sale. The testers have been given a list of milestones to record their progress. These are shown:

Milestones to be reached:

- 1 Check that the plan will solve the unreliability issue.
- 2 Create a plan to correct the code.
- 3 Create a theory as to which lines/areas/blocks/sections of code are causing the unreliability.
- 4 Document the results of the testing in a report.
- 5 Download and install app on the smartphone.
- 6 Identify the problem with the code by running the app.
- 7 Suggest corrections that could correct the unreliability.
- 8 Test the suggested corrections.
- 9 Test the theory to see if the unreliability can be replicated elsewhere.

List, by writing the number of the milestone, the order in which these milestones should be reached by the testers.

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[5]

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