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| **1.6 Key milestones, including the contributions of individuals, in the development of communications, computing systems and digital devices.** |
| * Learners should be aware of the following individuals and their key contribution to IT:   + Lady Ada Lovelace   + Admiral Grace Hopper   + Alan Turing   + James Gosling   + Sir Tim Berners-Lee   + Steve Jobs |

Specification points:

Skills audit:

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| --- | --- | --- | --- |
| **Criteria** |  |  |  |
| I know what contribution the following individuals made in the development of communications, computing systems and digital devices.   * + Lady Ada Lovelace   + Admiral Grace Hopper   + Alan Turing   + James Gosling   + Sir Tim Berners-Lee   + Steve Jobs |  |  |  |

Teacher feedback:

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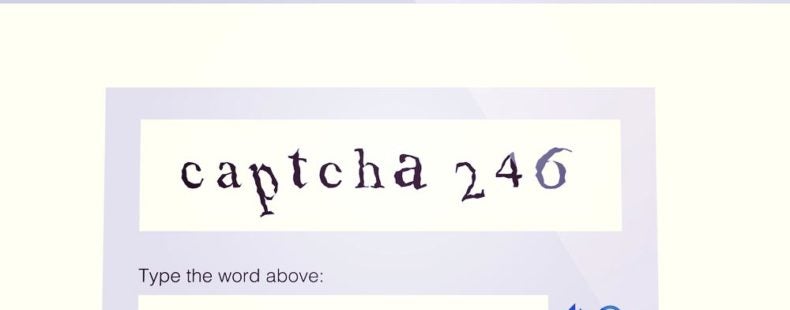
Student response:

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**Exam-style questions**

1. The Turing test was designed to differentiate whether a user was a human or a computer. One measure of this is known as CAPTCHA. Shown in Fig 1.

**Fig 1.**



1. Describe what a CAPTCHA test is.

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**[2]**

1. Explain why they are used.

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**[2]**

1. Alan Turing was one of the key contributors to the development of communications, computing systems and digital devices.

Name **two** other individuals and their contribution.

Name 1…………………………………………………………………………………………………………

Contribution ……………………………………………………………………………………………………

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Name 2…………………………………………………………………………………………………………

Contribution ……………………………………………………………………………………………………

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**[4]**