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| **1.1b Measuring and storing data** |
| * be able to describe the relationship between binary data storage units |

Specification points:

Skills audit:

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| **Criteria** |  |  |  |
| I can order digital units of data from smallest to largest |  |  |  |
| I can convert from one digital unit to another. |  |  |  |
| I can identify primary, secondary and tertiary storage devices. |  |  |  |

Teacher feedback:

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Student response:

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**Exam-style questions**

1. Emily is creating a film for a school project using a digital video camera and will transfer the videos to a computer for editing.

The computer 2GB of storage free.

Calculate the number of videos that could be stored on the computer if each video was 200MB in size. You must show your working.

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**[2]**

1. A file size has a size of 72,000,000,000 bits.

Calculate the file size in megabytes and gigabytes. You must show your working.

Megabytes:

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Gigabytes:

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**[2]**

1. Calculate how many bits there are in a file with a size of 20 megabytes. You must show your working.

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**[1]**