

5 Text, images and sound are represented as binary to be processed by a computer.

(a) Complete the table by writing the missing terms and descriptions about representing text, images and sound as binary.

Term	Description
character set	<p>.....</p> <p>.....</p> <p>.....</p>
.....	<p>This is the number of samples taken each second when recording sound.</p>
pixel	<p>.....</p> <p>.....</p> <p>.....</p>
resolution	<p>.....</p> <p>.....</p> <p>.....</p>
.....	<p>This is the number of bits used to represent a colour in an image.</p>

[5]

(b) The size of an image file is 1000 bytes.

Give the size of the image file in bits.

..... [1]

(c) The size of a sound file is 4096 mebibytes (MiB).

Give the size of the file in gibibytes (GiB).

..... [1]

Working space

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