1 **(a)** Tick (✓) **one** box to show which statement about data storage is correct.

A One bit equals four nibbles. ☐

B One byte equals 16 bits. ☐

C One exbibyte (EiB) equals 1024 × 1024 tebibytes (TiB). ☐

D One mebibyte (MiB) equals 1024 × 1024 gibibytes (GiB). ☐

[1]

(b) An image file has a resolution of 1024 pixels high × 1024 pixels wide. The colour depth is two bytes.

Calculate the file size of the image. Give the answer in MiB. Show your working.

working space

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file size of image ..... MiB

[2]