QotD10

1. Consider the following two files:
   1) A large file with randomly distributed characters containing 50% As, 30% Bs, 10% Cs and 5% Ds and 5% all of the other ASCII characters
   2) A large file with the same distribution as file 1), but now with all of the values that are the same grouped together

   Consider compressing both of the files with Huffman and with LZW. Choose the best answer below.
   (1 point)

   A. Both files will compress better with Huffman

   B. Both files will compress better with LZW

   C. File 1) may compress better with Huffman ✓ and File 2) is likely to compress better with LZW

   D. File 1) may compress better with LZW and File 2) is likely to compress better with

Huffman

2. Which of the following statements is true?
   (1 point)

   A. Files will **more entropy** can be compressed
      more

   ✓ B. Files with **less entropy** can be compressed
      more

   C. Entropy does not affect the compressability of
      files