The questions on this worksheet have been taken from the OCR GCSE Computer Science Specimen Paper 2

6-A-Day - Computer Science GCSE (p2.1-2016)

Q1	Kofi uses his computer to record an audio file of himself playing his guitar.
	(a) Outline what happens when the computer converts the music into a file.
	[2]
Q2	
QZ	(b) Kofi increases the sample rate his computer is using to record his guitar.
	Explain two effects this will have on Kofi's recording.
	•
	•
	[4]
Q3	(c) Kofi is e-mailing his recording to a record label. He uses lossy compression to produce the
	music file.
	Explain two reasons why using lossy compression is beneficial.
	•
	•
	[4]

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Q4	(a) Order the following units from smallest to largest:
	GB bit PB byte nibble MB
	[1]
Q5	
	(b) Convert the decimal number 191 into an 8 bit binary number.
	[1]
Q6	
	(c) Convert the hexadecimal number 3E into a decimal number. You must show your working.
	[2]