

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

Q1	<p>Kofi uses his computer to record an audio file of himself playing his guitar.</p> <p>(a) Outline what happens when the computer converts the music into a file.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>[2]</p>
Q2	<p>(b) Kofi increases the sample rate his computer is using to record his guitar.</p> <p>Explain <b>two</b> effects this will have on Kofi's recording.</p> <ul style="list-style-type: none"><li>• .....</li><li>• .....</li></ul> <p>[4]</p>
Q3	<p>(c) Kofi is e-mailing his recording to a record label. He uses lossy compression to produce the music file.</p> <p>Explain <b>two</b> reasons why using lossy compression is beneficial.</p> <ul style="list-style-type: none"><li>• .....</li><li>• .....</li></ul> <p>[4]</p>

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

Q4	<p>(a) Order the following units from smallest to largest:</p> <p style="text-align: center;">GB   bit   PB   byte   nibble   MB</p> <p>.....</p> <p style="text-align: right;"><b>[1]</b></p>
Q5	<p>(b) Convert the decimal number 191 into an 8 bit binary number.</p> <p>.....</p> <p style="text-align: right;"><b>[1]</b></p>
Q6	<p>(c) Convert the hexadecimal number 3E into a decimal number. You must show your working.</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p style="text-align: right;"><b>[2]</b></p>