## **Units of Information questions**

<b>01</b> Binary number	ers are used to rep	resent data ins	side computers.	
01.1 State the number of bits in a Byte				
<b>01.2</b> Write down	the highest decima	al number whic	ch can be represer	nted using a 8 bit binary word  [1 mark]
<b>02</b> Larger units	of information can b	e used to exp	ress the size of file	es stored on computers.
02.1 What does	the abbreviation Te	3 stand for?		
				[1 mark]
02.2 Complete	the table to show th	ne meanings o	f each of the abbre	eviations of units of information [4 marks]
	Abbreviation		Meaning	
	b			
			megabyte	
			kilobyte	
	GB			
02.3 Place the fo	ollowing quantities i	in order of size	e (1–4, where 1 is t	the smallest and 4 the largest) [3 marks]
	Quantity		Order (1 – 4)	
	15 bits			
	1 Byte			
	1 kiloByte	e		

1,040 Bytes

03.1 A file has a size of 16,000 MB. What is 16,000 MB in GB? You should show your wo	[1 mark]
<b>03.2</b> A file has a size of 16 Bytes. What is 16 Bytes in bits? You should show your workin	g. <b>[1 mark]</b>
<b>03.3</b> A file has a size of 16 GigaBytes. What is 16 GigaBytes in kiloBytes? You should sh working.	ow your [2 marks]
<b>03.4</b> A file has a size of 48,000 bits. What is 48,000 bits in kiloBytes? You should show your working.	our [3 marks]
<b>03.5</b> A file has a size of 2MB. What is 2MB in bits? You should show your working.	[3 marks]