CompSci Unit 3 – Representation

Name the two things binary is used to represent in computers (3.3.1)					
1					
2					
What is	s hexadecimal ? Why	is it used? (3.	3.1)		
What is	s a bit ? (3.3.2)				
What is	s a byte ? (3.3.2)				
Put these in order of size (1 is smallest, 6 is biggest) (3.3.3)					
	Quantity	Abbrv.	Order (1 smallest, 6 largest)		
	kilobyte	kB			
	megabyte	MB			
	byte	В			
	terabyte	ТВ			
	bit	b			
	gigabyte	GB			
What is ASCII code used for? (3.3.5)					
What is Unicode ? How is it different to ASCII? (3.3.5)					
			(5.5.5)		
What is a pixel ? (3.3.6)					
What does colour depth mean? (3.3.6)					
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Write out the formula to calculate the size of a bitmap image (3.3.6)
Write out the formula to calculate the file size of an image file (3.3.6)
Explain how colour depth affects the file size of an image (3.3.6):
How does sampling work for sound files? (3.3.7)
What do Hertz measure in this context? (3.3.7)
Write out the formula to calculate the file size of a sound file (3.3.7)
Explain what each part of the formula means (3.3.7):
1
2
3
What does compression do? (3.3.8)
Name the two types of compression you need to know about (3.3.8):
1
2