6-A-Day – Computer Science GCSE (48)

W W R Y R B B B B R R B B B B B LG B DG B B DG DG B B B B B B B B B B DG Dark Green		w	w	R	R	R	В	В	The letters	represent a	colour, as shown in F	ig. 3:
B B B C C B D B B B B B B B B B B B B B		-									Letter	Colour
B B B C C B D G B B B C C B B B B B C C B B B B B C C B B B B C C C B C		-										
B DG DG LG DB B B DG LG B B B B B DG DG Dark Gree LG Light Gree LG		-									В	Blue
B B DG LG B B B B LG LG B B B B LG LG LG LIght Gree LG LIg		В	В	В	LG	В	DG	В			R	Red
Fig. 2 Fig. 3 Using the example in Fig. 2, explain how a bitmap image is stored on a computer. The final image file may contain metadata. Describe, using an example, what is mean metadata.		В	DG	DG	LG	DG	В	В			Y	Yellow
Fig. 2 Fig. 3 Using the example in Fig. 2, explain how a bitmap image is stored on a computer. The final image file may contain metadata. Describe, using an example, what is mean metadata.		В	В	DG	LG	В	В	В			DG	Dark Gree
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The final image file may contain metadata. Describe, using an example, what is mean metadata.					Fig. 2						F	ig. 3
The final image file may contain metadata. Describe, using an example, what is mean metadata.												
		ige file	may	cor								
		ige file	may	cor								
Alex needs to create an audio recording of himself playing his guitar.		ige file	may	cor								
					ntain	me	tada	ta. D	escribe, us	ing an e	example, wh	at is mear
	metadata.	s to crea	ate a	n auc	ntain	me	tada	ta. D	escribe, us	ing an e	example, wh	at is mear
	Alex needs	s to crea	ate a	n auc	ntain	me	tada	ta. D	escribe, us	ing an e	example, wh	at is mear
	Alex needs	s to crea	ate ar	n auc	ntain dio re	me me	ing o	f him	escribe, us	ing an e	example, wh	at is mear
	Alex needs (i) Expla	s to crea	ate ar	n auc	ntain dio re	me me	ing o	f him	escribe, us	ing an e	example, wh	at is mear
	Alex needs (i) Expla	s to crea	ate a	n auc	dio re	ecord to	ing o	f him	escribe, us	ing an e	example, wh	at is mear

Q4	State the effects of increasing the sample rate of the recording.									
	[2]									
Q5	Quinn's current computer specification is shown in Fig. 4.									
	1.5 GHz Dual Core Processor 1GB RAM 100GB Hard Drive 64KB Cache Touchscreen Integrated camera and speakers 2 × USB 3.0 ports 2 × USB 2.0 ports Blu-ray drive 2GB Graphics Card Fig. 4 (a) Describe the benefits of a dual core processor over a single core processor.									
Q6	Quinn is considering upgrading the RAM.									
	(i) Describe two differences between RAM and ROM.									
	Difference 1									
	Difference 2									
	[4]									