Ilyas writes game review articles for the school paper. He needs to have the article emailed to the editor, Sarah by a deadline. The student body are excited to read his article and as such hackers in the school community are working hard to get copies of the article before its publication.

1. The article text is emailed together with the images but are compressed separately. Which

	form of compression is best suited for each.	
	Text	_
		_
		_
	Images	
		_
		[4]
2.	The articles are gaining popularity and as such, Priya who writes articles on the student be wants to interview Ilyas to ask how he is finding his newfound fame and to get to know he more. She will record the interview using a mic and her laptop. How is sound captured an stored in computer?	im
		_
3.	What are the benefits of sending the article by email after compressing them?	
		[2]
4.	Convert the decimal number 128 into an 8 bit binary number.	
		_

5.	Convert the hexadecimal number 4F into an a denary number.							
						(0)		
6.	Stuart believes the Unicode character	_		•	ss storage than	using a		
						[2]		
7.	The ASCII code fo	or the lowercase	e character z is :	122. What is the	e hexadecimal c	ode?		
8.	Why do computer scientists use hexadecimal to store characters instead of binary?							
						[2]		
9.	The watermelon represent the colis not accepted.	-	-	•				
	The emoji: \(\) The Unicode: 1	F349						
	Convert this to	binary						
	Hexadecimal	1	F	3	4	9		
	Binary	0001		0011				

[3]