1. Put the following in order of size (smallest to largest) by numbering them.

Megabyte	Byte	Bit	Gigabyte	Petabyte	Nibble

2.	José wants to buy a new laptop. He wants to store plenty of files and has been told that the laptop he is looking at is perfect, because it has 16GB of RAM. Discuss whether you think this would be a good purchase or not.
	[2]
3.	José is using his phone to record some videos for a school film club competition. He has 2 Gigabytes left on his phone and wants to record some videos of 500MB. How many videos will be able to record?
	[2]
4.	How is data stored in a computer in binary format?
	[1]
5.	George has sent a photograph that he has taken with his mobile phone to National Geographics Nature Capture competition using email. He has used lossy compression on the photo. Explain 2 reasons why lossy compression is beneficial in this case.
	1
	2
	[4]

Convert the de	cimal nu	mber 9	97 into a hex	decimal n	umber. S	Show your wo	rking
Add the followi	ng 2 bin	ary nui	mbers:				
	1 0	0 1	0 1 0 0	1 0 1 1	0 1	1 0	
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1100001 in bin such the binary Your teacher w	ary and v	would r would	represent th	e letter a. c e by 2 (01: fez in bina	would I 100011) ry ASCII	oe represente representatio Code	d by 99 and as
1100001 in bin such the binary Your teacher w	ary and v	would r would	represent th d also increa ne word code	e letter a. c e by 2 (01: fez in bina	would I 100011) ry ASCII	oe represente representatio Code	d by 99 and as
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