

1 am learning about the need for secondary storage and the different types.

1.3 Secondary Storage

Secondary Storage - Workbook



on: Main Features of Operation:
Advantages:
Disadvantages:

	Outcome Success Criteria		
I'm Getting It	Describe the need for secondary storage	I can define secondary storageI can describe why it is needed	
Got it	Describe the different types of secondary storage	 I can describe and give examples of Optical, Magnetic and Solid State storage 	
Google Hire Me!	I can compare the types of storage and calculate the amount needed	 I know the formula to calculate storage requirements I compare the following characteristics: Capacity, speed, portability, durability, reliability, cost 	

For the devices listed below tick one bow to show which type of storage it is:

Task 1:

Device	Magnetic	Optical	Solid State
Hard Disk Drive			
Solid State Drive			
Blu-ray			
DVD ROM			
SD Card			
USB Memory Stick			
CD ROM			
Tape Drive			

Task 2: Complete the table below using High, Medium or Low as appropriate for each storage medium. Some devices do not necessarily have a right or wrong!

	Capacity	Speed	Portability	Durability	Reliability	Cost
HDD						
SSD						
CD						
DVD						
Blu-Ray						
USB Flash Memory						

Task 3: Calculating File Sizes

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- a) A text file that contains 10000 characters. Give your answer in KB
- b) An image is 2030 x 1000 pixels in size. It has 65536 colours. Give your answer in GB.
- c) A sound file has 4 bytes per sample. It takes 100 samples per second, over 1 channel and is 2 minutes 30 seconds long. Give your answer in KB.