Activity 1

Complete the table below to identify their purpose, find out a price (these may vary but find one) and how much the device costs per GB/TB (depending on measurement)

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| --- | --- | --- | --- |
| **Device** | **Purpose** | **Price** | **Cost per GB/TB** |
| Solid-state drive | To store large amounts of data to quick access, it’s seen as an equivalent to a hard drive. | £84.70 | 1 TB capacity  (1 TB = 1000 GB)  84.70/1000 = 0.0847  8p per GB. |
| SD card | Used to store photos taken on a digital camera. | £185.41 | 1 TB capacity  (1 TB = 1000 GB)  185.41/1000 =  0.18541  19p per GB |
| USB Flash drive | Used to store files that can be transferred from one computer to another. | £30.00 | 1 TB capacity  (1 TB = 1000 GB)  84.70/1000 = 0.03  3p per GB. |

Actvity 2

Identify one advantage and one disadvantage of using each type of solid-state storage.

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| **Device** | **Advantage** | **Disadvatange** |
| Solid-state drive | Access to files is much quicker so it’s quicker to open up programs/files and booting up the computer. | They are high in price in comparison to hard drives. However, the prices are beginning to come down. |
| SD card | Small, lightweight and it can be inserted in a digital camera securely so it won’t fall out and also makes it difficult to loe it. | If files need transferring, not every device might be equipped with an SD card slot. |
| USB Flash drive | Good for storing a large number of files which can easily be transferred from one device to another. | If the metal part plugged into the USB port gets damaged then it will become very difficult to use that. |