

## Week 1 Answers

### Question 1: Personal Computer

Personal computers like desktops & laptops are great for office tasks such as graphic design using desktop publishing software.

### Question 2: Mobile Device

A mobile device is perfect for Simone as it is designed to be highly portable. Perfect for when you're out of the office for long periods of time.

### Question 3: False

A bit of a trick question. It does commonly have greater storage, processing power & memory, but not always. In fact you could turn your PC into a server by installing server software onto it.

### Question 4: Small and lightweight, long battery life

Generally mobile devices like tablets & smartphones have poorer processing & storage than alternatives like personal computers. However they're small, lightweight & can last a long time on battery power which makes them great for use on the go.

### Question 5: System-on-a-Chip

One key feature that helps make the device more compact & reduces power consumption is System-on-a-Chip. This is where all the core components of the computer are integrated onto a single chip.

### Question 6: Entertainment system

Entertainment systems are used for things like playing games, watching tv and listening to music. Rhiannon in this scenario would probably want a video games console.

### Question 7: Personal Computer

Personal computers are popular for office based tasks like word processing and spreadsheets. However they can also be used in the home for playing video games and surfing the web.

### Question 8: mail server

The web server stores the web page and associated files. When a client computer makes a request for a web page to the server (by entering the web pages URL) the

web server locates the correct files and then sends them back to the client. In a similar way, mail servers manage access to email

#### Question 9: GPS

The GPS, or Global Positioning System, helps to locate you on a map. The navigation system can then identify directions to your chosen destination.

## Week 2 Answers

Question 1: Force Feedback controller

Force-feedback game controllers are used on games consoles to allow you to control the game and receive vibration output to improve immersive experience.

Question 2: Touchscreen

His tablet uses a touchscreen to allow him to input to his tablet without a separate keyboard or mouse.

Question 3: He can edit the photos in photo editing software.

Digital still cameras take photos and store them as digital data. These can then be stored on his computer so that he can edit them in photo editing software.

Question 4: False

You can certainly print photos out as traditional photos. Almost all photo printers can take the SD card from your camera and print them out, and many companies allow you to send the digital photo files to them over the internet.

Question 5: Multifunctional device

Question 6: False

MICR, or Magnetic Ink Character Recognition is used to verify cheques. OMR is used to read and input lottery tickets.

Question 7: Barcode Reader

A barcode reader will read the barcodes on the back of all products. This will make it much quicker and less error prone as she won't need to type anything.

Question 8: Wireless Dongle

A wireless dongle can be used to access mobile broadband services or connect to a wireless router so he can have access to the internet wherever he is.

Question 9: Router

Question 10: Network interface card

A network interface card is used to allow computers to connect to each other via ethernet cable.

### **Week 3 answers**

Question 1: Notes taken on the board can be saved to a central location that can be accessed by students to use outside of the classroom AND You can easily & neatly edit the notes taken and bring in content from other software applications.

Interactive Whiteboards are used by teachers in order to support teaching in front of a class. They display output on the screen but also take input as a teacher can use it as a touchscreen to write notes and input commands.

Question 2: Online learning sites

Online learning websites are a great way of learning new skills in your own time and from the comfort of your own home. This makes it ideal for someone like Steven who is looking to change his career and doesn't have access to the courses he needs.

Question 3: Lesson resources can be accessed from home in order to revise & to help with homework.

The benefit listed here is that the students can access the lesson resources from home.

While being able to mark work from wherever she is would be a benefit to Haleema, the question asks for benefits to her students.

Question 4: Social networking

Question 5: Ubiquitous

This is known as ubiquitous computing. It's also known as the 'Internet of Things'.

Question 6: People are illegally downloading music, tv & films for free over the internet.

This is known as copyright piracy and is a real problem for the entertainment industry.

Question 7: Social networking

Social networking would be perfect for Susan. Using it she can create a 'Networks of Friends' where the important people in her life are able to see her views, opinions, life events & photos when she shares them on the site.

Question 8: You can use video along with your voice so you can see the people you're speaking to AND It's often much cheaper, especially when phoning someone in another country.

VoIP is both cheaper (often free) and it allows you to make video phone calls so that you can see the person while you're speaking to them.