Network Types Matching Task

Introduction

In this task, you'll match different types of computer networks to specific jobs or businesses. All the information you need is in the slideshow, but you may do minimal additional research online if needed.

Task Instructions

Match each network type from the list to the most appropriate job or business scenario. Write a brief explanation (1-2 sentences) for each of your choices. You should clearly state the network type you think would be best to use and provide an explanation. An example has been done for you below:

Example - A small independent bookshop in Liverpool

Network Type: Local Area Network (LAN)

Explanation: A LAN would be suitable for a small bookshop as it allows computers within a single location to share resources like printers and a central database of book inventory. This type of network is perfect for a business operating from one site.

Network Types:

1. Local Area Network (LAN)
2. Wide Area Network (WAN)
3. Personal Area Network (PAN)
4. Mobile Broadband Network

Jobs/Business Scenarios:

A. A popular UK-based social media influencer who travels around the country creating content
Mobile Broadband Network as the influencer travels around using mobile devices to record content to share.

B. The London office of a global virtual reality gaming company

Local Area Network as some sensitive data may be shared within the network site only. Authentication protocol permissions are needed to access entry into and from the site using the wide area network.

C. A student using their smartwatch, phone, and wireless earbuds while revising for GCSEs

Mobile Broadband Network which is connected using their own mobile devices to access the internet through a mobile network provider such as giffgaff.

D. A nationwide chain of coffee shops with locations in every major UK city

Local area network because they run coffee shops all over the nation and communicate with other staff members without competing coffee shops having access to information about the business.

E. A small independent bookshop in Manchester

Local Area Network allows sharing data of printers, computers and inventory to take place within the same building.

F. A delivery driver for a drone-based parcel service covering the whole of the UK

Wide area Network that allows for cheap and fast communication over long

distances.

G. A remote worker for an AI-powered mental health support app
Wide Area Network due to the app needing to be accessed using the internet from a mobile device accessible from anywhere at any time.

H. A professional esports player competing in online tournaments from home Wide Area Network as people from around the world participate in the same tournament.