

CompTIA FC0-U71 New Practice Questions | FC0-U71 Exam Course

 **MATHEMATICS**
Year7
CFU1 T1 **Revision Answer key**

1.1 Averages and Range - Textbook pages 1-3, Workbook page 1

Q1.

a. Sum = $3 + 2 + 6 + 11 + 13 = 35$
Mean = $\frac{35}{5} = 7$

b. Range = Largest number - smallest number
Range = $13 - 2 = 11$

Q2.

Arrange in order
0, 3, 4, 6, 6, 7, 8
Median = $6 + 6 / 2 = 12 / 2 = 6$
The numbers that appear most often Mode = 6 and 7
Mean = $41 / 8 = 5.125$
Range = Largest - Smallest = $8 - 0 = 8$

Q3.

Step 1: Mode = 8 → means 8 must appear at least twice.
So one of the missing numbers is 8.

Step 2: Range = largest - smallest = 16

To make the range 16, we need either:

- a smaller number = $14 - 16 = -2$ (not possible, since all are positive), or
- a larger number = $5 + 16 = 21$
- So, the missing number is 21.
- Missing numbers: 8 and 21

Q4. The four missing numbers are 7, 7, 10, 11 or 6, 7, 11, 11

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CompTIA FC0-U71 Exam Syllabus Topics:

Topic	Details
Topic 1	<ul style="list-style-type: none">IT Concepts and Terminology: This section of the exam measures skills of aspiring IT Support Assistants and covers foundational knowledge such as types of computing devices, basic troubleshooting concepts, and understanding of common terminology. Candidates should grasp basic operational terms, roles of software and hardware, and be familiar with emerging tech like IoT and cloud computing.
Topic 2	<ul style="list-style-type: none">Security: This section of the exam measures skills of Cybersecurity Support Interns and covers essential cybersecurity principles, including confidentiality, data protection, user authentication, and malware threats. It also includes awareness of social engineering, encryption, and common best practices for device and network security.

Topic 3	<ul style="list-style-type: none"> Software Development Concepts: This section of the exam measures the skills of Junior Software Developers and introduces foundational knowledge of programming logic, data structures, and the software development life cycle. It includes awareness of coding concepts, algorithm basics, and scripting used in automated and task-based environments.
Topic 4	<ul style="list-style-type: none"> Data and Database Fundamentals: This section of the exam measures the skills of Entry-Level Data Assistants and covers data management principles, types of data, and basic database structures. It includes an understanding of database types, simple queries, data integrity, and the importance of data in decision-making and business operations.
Topic 5	<ul style="list-style-type: none"> Infrastructure: This section of the exam measures skills of Network Support Trainees and covers essential knowledge of device setup, networking concepts, and physical and wireless connectivity. It includes an understanding of IP addressing, cables, ports, and basic infrastructure components like routers and switches necessary for setting up secure, functional networks.

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CompTIA Tech+ Certification Exam Sample Questions (Q88-Q93):

NEW QUESTION # 88

A user is typing a document using a keyboard. Which of the following describes this action?

- A. Output
- B. Storage
- C. Processing
- D. Input**

Answer: D

Explanation:

A keyboard allows a user to enter data into a system

"Input devices allow users to provide data or control signals to the computer; keyboards are primary examples." Storage saves data, output displays data, and processing handles data operations.

NEW QUESTION # 89

A user wants to use virtualization on a local workstation. Which of the following best describes the technology that will be used?

- A. Cloud
- B. Guest OS
- C. Hypervisor**
- D. SaaS

Answer: C

Explanation:

A hypervisor is the technology that enables virtualization on a local workstation by allowing multiple guest operating systems to run on a single physical machine.

Other options:

*Guest OS is what runs inside the virtual machine,
*Cloud and SaaS are remote services, not local virtualization technologies.

NEW QUESTION # 90

Which of the following is the smallest storage unit?

- A. Petabyte
- B. Megabyte
- C. Kilobyte
- D. Terabyte

Answer: C

Explanation:

In terms of size from smallest to largest: Kilobyte < Megabyte < Terabyte < Petabyte.

NEW QUESTION # 91

Which of the following is the most important consideration when opening a file on an OS GUI?

- A. Default permissions
- B. File extension
- C. Data compression
- D. Backup policy

Answer: B

Explanation:

The most important consideration when opening a file on an Operating System Graphical User Interface (OS GUI) is the file extension. A file extension identifies the type of file and determines which software application can open it. In the official CompTIA ITF+ Student Guide, it is stated that:

"The last part of the file name represents an extension, which describes what type of file it is and is used by Windows to associate the file with an application."

"Files are usually opened by double-clicking them. You may want to open a file in a software product other than the default, however. When you right-click a file, the shortcut menu displays a list of suitable choices, or you can choose Open With and browse for a different application. You can also use the Default Programs applet to configure file associations."

"Do not change a file's extension if it is shown. If you delete or change the extension, the file will not be associated with the correct program for opening it." This means the OS uses the file extension to decide which application to use to open a file. Changing or deleting the extension can result in the file not opening properly because it no longer matches the program expected to open it.

Reference:

Official CompTIA ITF+ Student Guide Book (Page 299-300, 301)

NEW QUESTION # 92

Which of the following data types would be best for storing data representing a phone number?

- A. Float
- B. Char
- C. Integer
- D. String

Answer: D

Explanation:

A phone number is best stored as a string because it may include leading zeros, parentheses, dashes, or plus signs, which are not handled properly by numeric data types like integers or floats.

Other options:

*Integer and float are numeric types unsuitable for formatted phone numbers,

*Char holds only a single character.

NEW QUESTION # 93

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