

# Middle School Cybersecurity Fundamentals

Cybersecurity · Answer Key · 21 Questions

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## 1. What is a strong password typically characterized by?

- A) Using only lowercase letters
- B) Being very short and easy to remember
- C) A mix of uppercase letters, lowercase letters, numbers, and symbols**
- D) Using personal information like your birthday

## 2. Which of the following is a common type of malicious software (malware)?

- A) Antivirus
- B) Firewall
- C) Virus**
- D) Backup

## 3. What is the purpose of a firewall in cybersecurity?

- A) To speed up your internet connection
- B) To protect your computer from unauthorized access**
- C) To store your files online
- D) To play online games

## 4. When is it generally safe to click on a link in an email or message?

- A) If the sender is unknown
- B) If the message seems too good to be true
- C) If you are expecting the email and know the sender**
- D) If the email has many spelling mistakes

## 5. What does 'phishing' refer to in cybersecurity?

- A) Installing new software
- B) Trying to trick people into revealing personal information**
- C) Encrypting files
- D) Deleting unwanted files

## 6. Why is it important to keep your software (like operating systems and apps) updated?

- A) To make your device run slower
- B) To remove unnecessary features
- C) To fix security vulnerabilities and bugs**
- D) To use more storage space

**7. What is a 'social media privacy setting' designed to do?**

- A) Allow anyone to see your posts
- B) Control who can see your personal information and posts**
- C) Make your profile public to all users
- D) Share your location with everyone

**8. Which of these is an example of 'personal identifiable information' (PII) that should be protected?**

- A) The weather forecast
- B) Your full name and address**
- C) A popular song title
- D) A movie review

**9. What is 'two-factor authentication' (2FA)?**

- A) Using only one password to log in
- B) Using two different passwords for one account
- C) Requiring two forms of verification to log in (e.g., password and a code)**
- D) Logging in with a friend

**10. When using public Wi-Fi, what is a common cybersecurity risk?**

- A) Your device might get too hot
- B) Others on the network might be able to see your activity**
- C) Your battery might drain faster
- D) The internet speed will always be very fast

**11. What is the primary purpose of strong encryption?**

- A) To make files larger
- B) To scramble data so only authorized people can read it**
- C) To delete data permanently
- D) To increase download speeds

**12. What is a 'cyberbullying' attack?**

- A) A software update
- B) Using technology to harass, threaten, or humiliate someone**
- C) A type of virus
- D) A strong password strategy

**13. What is 'digital footprint'?**

- A) A physical trail left by your shoes
- B) The data and traces you leave behind when using the internet**
- C) A type of computer virus
- D) The speed of your internet connection

**14. Which of the following is NOT a safe practice when downloading files from the internet?**

- A) Downloading from official websites
- B) Using an antivirus program to scan downloads
- C) Downloading files from unknown or suspicious sources**
- D) Checking file extensions before opening

**15. What is the main function of 'antivirus software'?**

- A) To make your computer faster
- B) To detect and remove malicious software**
- C) To store your photos
- D) To browse the internet without a connection

**16. What does it mean to 'log out' of an online account?**

- A) To close the browser window
- B) To permanently delete your account
- C) To end your session and secure your account from unauthorized access**
- D) To change your password

**17. Why should you be cautious about sharing your location online?**

- A) It makes your posts more popular
- B) It can reveal your whereabouts to strangers**
- C) It uses up more data
- D) It makes your device run faster

**18. What is a 'trojan horse' in the context of cybersecurity?**

- A) A type of strong password
- B) A program that appears legitimate but secretly carries out malicious functions**
- C) A safe way to share files
- D) A method for encrypting data

**19. What is 'cybersecurity' fundamentally about?**

- A) Designing video games
- B) Protecting computer systems and data from theft, damage, or unauthorized access**
- C) Writing code for websites
- D) Creating online advertisements

**20. When is it advisable to use a 'VPN' (Virtual Private Network)?**

- A) To slow down your internet speed
- B) To make your online activity more private and secure, especially on public Wi-Fi**
- C) To increase the amount of data you use
- D) To store files directly on your device

**21. What is a 'cookie' in web browsing?**

A) A type of malware

**B) A small piece of data stored on your computer by websites to remember information about you**

C) A secure encryption method

D) A way to delete your browsing history