

Answer key

- 1 Wait one turn.
- 2 Anne received a friend request on a social media portal from an unknown user; however, they have several mutual friends. Bearing security in mind, Anne wants to accept the invitation. What should she do?
 - (a) Accept the invitation without hesitation.
 - (b) Accept the invitation and immediately share links to her other social media accounts.
 - (c) Accept the invitation, however, she should be careful and limit the information shared with that person.

Answer: (c).
Anne should make sure that she does not make any sensitive personal data available such as her home address, phone number or other private details. Before you accept a friend request from an unknown person, check well what information you make public.
- 3 True or false: Sharing geolocation data, access to photos and your contacts with apps can be risky.

Answer: True.
Apps are also prone to data leakage, so that can be dangerous.
- 4 Open question: What is the difference between constructive criticism and cyberbullying?

Sample answer:
Constructive criticism is intended to support and help another person, and often includes sample solutions to a problem. The purpose of cyberbullying is to humiliate or ridicule.
- 5 Challenge

- 6** James received an e-mail informing him that he had won a prize in a lottery but he doesn't remember participating in it. The email includes an inquiry about payment card details and account number for the purpose of a cash prize transfer. What should James do?
- (a) Provide data as requested.
 - (b) Provide only the account number.
 - (c) Forward the email to a trusted institution to investigate the matter, e.g. by reporting the incident to the dedicated Computer Security Incident Response Team (CSIRT) in his country.**

Answer: (c).

Most likely this e-mail is phishing. Requests for payment card details may be an attempt at theft.

- 7** It is important for Emma to eat healthily. She recently came across a short film entitled Everything you think you know about diets is a lie. The video made by Paul presents an ideal diet intended to solve all health problems. Below the video is a link directing users to purchase a box diet. What should Emma do?
- (a) Buy the diet while it is still available.
 - (b) Check its author, their credentials, what other users write about them, and analyze the video, bearing in mind that every body has different nutritional needs.**
 - (c) Recommend the video to friends.

Answer: (b).

Emma should demonstrate critical thinking and question the validity of Paul's theory. It is worth remembering that creators often use clickbait (sensational headlines) to sell their products. It is important to critically analyze such videos rather than unreservedly believing or sharing them.

8 Challenge

- 9** Davis has read an article online about a study that proves that eating a certain fruit can make his body's immune system improve significantly. The article includes quotes from „Dr. Adam,” who allegedly conducted the study. The idea of being super-healthy appeals to Davis. What should he do?
- (a) treat the article as credible because it contains quotes from a doctor.
 - (b) Immediately include the recommended fruit in his meals to become super-healthy.
 - (c) Seek more information and see if other sources confirm the results of the study, and also assess the credibility of „Dr. Adam.”**

Answer: (c).

David should demonstrate critical thinking and seek additional information. The mere fact that the article quotes a doctor does not guarantee that such a person really exists or that he or she has given verified information. David should look for other sources to confirm or refute the study. Remember! Before accepting information as true, it is worthwhile to verify the credibility of the doctor and checking whether the study has been peer-reviewed or published in reputable sources.

10 A stranger has written to Emily offering her a substantial sum of money in exchange for sharing intimate photos of her. What should Emily do?

(a) Ignore the message.

(b) Ask legal guardians for help; then block the user and report the matter to the police.

(c) Consider accepting the offer.

Answer: (b).

Blocking and reporting a stranger and refraining from further contact is key to maintaining personal safety and avoiding potential exploitation.

11 Return to space #2.

12 Zoe wants to use an image she found online for a school project. There is no copyright notice attached to it. What is the best course of action in this situation?

(a) Using an image without the author's permission and without citing the source.

(b) Citing the source of the image and, if necessary, asking for permission to use it.

(c) Refraining from using the image so as not to risk copyright infringement for security purposes.

Answer: (b).

Copyright is a form of intellectual property that grants its holder an exclusive right to reproduce, distribute, modify, display, and perform a creative work, usually for a specified period of time. Such creative work can take a literary, artistic, educational, or musical form. Giving proper mention and asking permission when necessary is important to respecting copyright.

13 True or false: Phishing is a form of cyberattack that involves an attempt, by cybercriminals, for example those impersonating trustworthy entities, at stealing personal information.

Answer: True.

In addition to impersonating institutions, criminals can also impersonate your friends by hacking their accounts.

14 Open question: What are the features of a secure password? Name at least three.

Sample answers:

- easy for an account owner to remember,
- very difficult for other people to guess,
- does not include words found in dictionaries,
- contains various types of characters: letters (upper and lower case), numbers, special characters (e.g. parentheses, space, %),
- is different from passwords used on other sites/apps.

15 Challenge

16 Taylor has been browsing her social media and discovered a post announcing that a new theme park was opened in her city with a roller coaster making 50 loops. This post includes an eye-catching photo of people taking the ride. To Taylor, this seems unlikely, as she has never heard of such an attraction. What would be Taylor's best response?

- (a) Planning a visit to the theme park with friends.
- (b) Ignoring the post and continuing browsing social media.

(c) Verifying information about the theme park and looking for reliable sources of information so that she can warn others if the post turns out to be false.

Answer: (c).

Taylor should demonstrate critical thinking and check the information more thoroughly. Unusual claims require additional verification. Taylor can check information about the theme park, look for official announcements or press releases, and see if any reputable sources have written about the new rollercoaster. It is important to get reliable data before making any decisions based on claims in the post.

17 Lily has come across an article on a website whose headline sounds shocking. It says that a huge asteroid is coming dangerously close to Earth. What should Lily do?

- (a) share the article on social media.
- (b) Verify the information using reliable sources.**
- (c) Consult a person who deals with phenomena of this type.

Answer: (b).

Lily should critically evaluate information and look to reliable sources to confirm the authenticity of the information before sharing it as she may be contributing to the spread of false information

18 Challenge

19 Sarah's colleague has been constantly posting ridiculing photos of her on the Internet without her permission. What should Sarah do in this situation?

- (a) Confront the colleague on social media.
- (b) Keep evidence in the form of screenshots, report the incident to a platform administrator, and ask a trusted adult for help.**
- (c) Ignore the situation and hope it passes.

Answer: (b).

The situation at hand is an example of cyberbullying. It is important to remember that evidence of cyberbullying must be kept and help must be sought from appropriate professionals.

20 Elsa has read an article about a new invention that generates electricity from water. An article on X's website portrays the invention as a breakthrough technology. It includes quotes from a scientist. Later, Elsa found an article on Y's website calling the invention a hoax and presenting evidence denying its authenticity. What should Elsa do to assess the authenticity of the invention?

- (a) Trust the article on X website because it quotes the scientist.
- (b) Trust the article on Y website because it presents evidence that refutes the invention's authenticity.

(c) Read both articles, compare the presented content, and look for more information about the invention in other reliable sources.

Answer: (c).

Elsa should approach the topic critically, carefully read both articles and compare the claims related to the invention. Although the article on the X website quotes reputable scientists, different perspectives should be considered and the evidence presented in the article on Y website should be evaluated. In addition, Elsa should further verify the information about the invention based on other reliable sources to better understand the subject before forming an opinion.

21 Wait one turn.

22 Micheal has downloaded a free chess app to his phone. After installation, the app requested access to contacts, location, and photos. What should Michael do?

- (a) Grant the application all permissions without any concerns.
- (b) Grant the application access to contacts only.

(c) Consider whether the application is secure since it requires access to so much data. Check reviews of the app and consider uninstalling it.

Answer: (c).

Micheal should be cautious about granting unnecessary permissions to the app as this could violate his privacy and security.

23 True or false: The Internet is a place that provides complete anonymity.

Answer: False.

There are many technical means and methods to track and identify the identity of users online.

24 Open question: How does phone use before bedtime affect the body? List at least three possible consequences.

Sample answer:

- Blue light emitted by the screen can interfere with the production of melatonin, a hormone that is responsible for the proper functioning of a „biological clock” and also helps regulate one's daily sleep cycle.
- Using the phone before bedtime can lead to brain stimulation, thus making it difficult to relax.
- Viewing content on your phone, especially that which is disturbing, can increase stress and anxiety levels.
- Using the phone before bedtime can lead to missing the planned time to fall asleep.

25 Challenge

26 Julie has received a text message from her bank informing her that her account had been hacked. The message contains a link to verify her details. What should Julie do?

(a) Click on the link and provide the required information.

(b) Ask her legal guardian to call her bank's customer service department to verify the reliability of the message.

(c) Ignore the e-mail as it is most likely a mistake.

Answer: (b).

Under no circumstances should Julie click on suspicious links as they may lead to websites that contain malware. It could also be an attempt to carry out a phishing attack. The best thing to do in such a situation is to be cautious and ask the guardian to contact the bank.

27 Elijah is interested in extraterrestrial life. One day he came across a video titled Top 10 cases of UFO appearances. The video shows allegedly authentic UFO sightings from all around the world. However, Elijah has noticed that the video was uploaded by an anonymous user whose data cannot be verified. What should Elijah do?

(a) Share the video with friends and family.

(b) Disregard the video and treat it as a fabricated one that lacks evidence.

(c) Question the credibility of the video, investigate UFO sightings, and look for other reliable sources.

Answer (c).

Elijah should investigate the matter more thoroughly and approach the video critically by trying to check its reliability. The mere fact that the video was uploaded by an anonymous user whose data cannot be verified raises suspicions about its authenticity. Elijah should rely on other reliable sources with evidence or expert opinions on UFO sightings to form a more informed opinion. It is important to remember not to assume that the information in the video is true without prior verification.

28 Challenge

29 Max wants to share a photo on his social media that was taken at his home. What should he pay attention to before publication?

- (a) Check the photo's metadata and delete it.
- (b) Make sure that what you see in the photo doesn't accidentally give away the location of his house.

(c) Both answers are correct.

Answer: (c).

Max should not share personal information such as names and locations as this could pose a threat to his family's security and privacy. Metadata is additional information stored in an image file such as the date the image was taken, the camera used to take the image, and sometimes location information, called geotags.

30 A stranger has asked Olivia on a gaming platform to provide her home address. What should Olivia do?

- (a) Provide her home address to make a new acquaintance.

(b) Report the user to the administrator of the gaming platform.

- (c) Ignore the message and return to the game.

Answer: (b).

Under no circumstances should Olivia share her personal information with strangers online, especially her home address. Reporting the user increases security in the gaming environment.

31 Move to space #35 and reverse the order of throwing the dice.

32 Charlie wants to buy a certain product online. He found a site offering the same product at an incredibly low price. What should Charlie do?

- (a) Before making a decision, he should check reviews of the site on reliable rating sites.
- (b) Share the site with friends to see if they've had any experience with it.

(c) Both answers are correct.

Answer: (c).

Charlie should verify the authenticity of the website and read reviews from other customers or his friends to make sure that it is a legitimate and reliable source.

33 True or false: There can be legal consequences for cyberbullying.

Answer: True.

In many countries, there may be legal consequences for cyberbullying. It can be addressed under civil law or criminal law, based on the situation. Check how this issue is legally addressed in your country!

34 Open question: Why should one be mindful of privacy settings on social media platforms? Give at least two reasons.

Sample answers:

- A smaller risk of cyberbullying and online harassment from other users.
- Greater control over the information we share.
- Greater protection against identity theft and fraud.

35 Challenge

36 Margot has received a message from her friend with a link to a funny video. What should Margot do?

(a) Click on the link and watch the video.

(b) Before clicking, ask her friend through another communicator if the link is safe.

(c) Ignore the message and return to the game.

Answer: (b).

The friend's account may have been hacked and this is an attempt at cybercrime.

37 Agatha loves to make videos and wants to create a short material about her favorite book. She decides to use images and music available online. What should Agatha do to make sure that the content used in her material is used ethically?

(a) Use images and music but include a list of websites from which she downloaded them in the credits and in the description of the video.

(b) Use only images and music under a Creative Commons license or with the permission of their creators.

(c) Both answers are correct.

Answer (c).

The best solution in this situation would be to use only images and music under the Creative Commons license or with the permission of their original creators. Creative Commons (CC) is a worldwide nonprofit organization that provides creators with free licenses based on which they can make their work available to the public. Agatha should use the content licensed under Creative Commons or with the permission of its creators to make sure she acts ethically. Simply downloading images and music from the Internet without permission or proper authorship attribution constitutes copyright infringement. By using Creative Commons-licensed content or obtaining permission, Agatha respects the copyrights and does not risk copyright infringement problems.

38 Challenge

39 Natalie wants to comment on a social media post written in offensive language and insulting immigrants. What should Natalie do?

(a) Comment on the post, using equally offensive language to express her protest.

(b) Report the post to the administrator of the social platform.

(c) Ignore the post and continue browsing.

Answer: (b).

Natalie should report the offensive post to the platform administrator who will be able to take appropriate action to resolve the problem and build a positive online environment. Please note that such a post may be a manifestation of hate speech which is punishable. Hate speech is a phenomenon that involves the use of language to incite, spread, or justify hatred and discrimination as well as violence against specific individuals, groups of people, and representatives of minorities.

40 Andrew decided to create a video about the benefits of recycling and to make it available online. His video presents reliable information and is meant to inspire other young people to start recycling. However, it is not as popular as Andrew had hoped for. What can he do?

(a) refrain from presenting the topic of recycling since it's not important enough for other people.

(b) Find more information about content positioning on the Internet and apply knowledge about algorithms to promote the content.

(c) Copy videos made by other creators to attract more viewers.

Answer: (b).

Andrew should continue to make educational videos and share his knowledge with others as taking care of the planet is an important topic. There is a number of effective content promotion strategies that can increase the reach and popularity of his video without having to abandon the recycling theme.

41 Wait one turn.

42 Noah received a notification on his phone saying he had won a free game. It includes a request for credit card details for verification purposes. What should Noah do?

(a) Enter his credit card details to claim the free game.

(b) Report the abuse to his mobile operator and to dedicated Computer Security Incident Response Team (CSIRT) in his country.

(c) Send the notification to his friends to disseminate the message.

Answer: (b).

Noah should be wary of unexpected notifications with requests for confidential information. Reporting the notification to an Internet security incident response team helps better protect himself and others from potential scams. Check how you can contact CSIRT in your country!

- 43** True or false: You can trust the quality of products promoted by influencers more than ordinary online ads.

Answer: False.

The quality of products promoted by influencers is not guaranteed as they may be paid to promote products without actually evaluating their quality.

- 44** Open question: What is the difference between misinformation and disinformation?

Sample answer:

Misinformation is the provision of false information unknowingly, while disinformation is the deliberate dissemination of false information to manipulate others or achieve specific goals. Misinformation results from the lack of information while disinformation usually aims at misleading people.

- 45** Challenge

- 46** Grace has posted photos of her younger sister on social media. Grace's mom doesn't approve of that because she thinks it could be dangerous. Grace, on the other hand, sees it as an expression of love for her sister who looks lovely in the photos. What should Grace do?

- (a) She should not post pictures of her sister because it puts her in danger. Moreover, being a minor her sister cannot give informed consent.
- (b) She should create a private family album to capture beautiful moments without compromising security.

(c) Both answers are correct.

Answer: (c).

Grace may be unknowingly exposing her sister to the risk of privacy violation and the use of their personal information by third parties. In addition, publishing too much information about one's children's private lives online can lead to unwanted psychological consequences and their exposure to cyberbullying.

- 47** Dylan has come across an article about a new app that can double a phone's battery life. That is great news because the boy needs to charge his phone very often. What should Dylan do in this situation?

- (a) Immediately download the application to save the battery.
- (b) Learn more about the app and read other users' reviews to determine the reliability of the information.**
- (c) Ignore the article and not bother about the application.

Answer: (b).

It is important to make sure that the downloaded

- 48** Challenge

- 49** Hailey has been working on a presentation for a biology lesson on vaccines. She found an article that discusses their harmful effects. What should Karolina do before she believes the article's content?
- (a) Check its publication date and sources cited by the author; then check the credibility of the author and the site that published the article.
 - (b) There is no need to check the date of the publication or the sources because if the article is available online, it must be true.
 - (c) Hailey can rely on her intuition. If the article is convincing, it must be true.

Answer: (b).

Hailey should verify the information in multiple sources before sharing it, thus preventing the spread of false information. The mere publication of the article online does not guarantee its accuracy, so it is important for Hailey to approach the content critically and check it in various reliable sources before relying on it and using it in a presentation.

- 50** Justin wants to set a strong PIN code for his smartphone. Which of the following would be the safest option?
- (a) 123456
 - (b) 987654
 - (c) 516284**

Answer: (c).

A strong PIN code must not be an easy-to-guess code consisting of frequently used strings of characters, such as strings of consecutive natural numbers, strings of consecutive even numbers.

- 51** Return to space # 41.
- 52** Mark's colleague shared a controversial photo on social media. Mark finds it offensive, but his colleague says it's all about freedom of one's expression and opinion. What should Mark do?
- (a) Set up a group chat for those outraged by this and criticize the colleague there.
 - (b) Have a private conversation with a colleague to express his reservations.**
 - (c) Share the photo and protest against it in the description.

Answer: (b).

Mark should engage in an open dialogue and present his point of view in private, thus building understanding and respect rather than resorting to public confrontation or setting up a group chat which could lead to cyberbullying.

- 53** True or false: It is the responsibility of social media platforms to protect your privacy so you don't have to be cautious about the information you share.

Answer: False.

One should always be careful when publishing information, especially sensitive information, to avoid possible leakage.

54 Open question: Name two possible situations that can happen when you click on an unknown link.

Sample answers:

- Infecting the device with malware.
- Redirecting to a phishing site to phish for personal or financial information.
- Finding a cool site :)

55 Challenge

56 Leah's classmate has been experiencing cyberbullying from anonymous Internet users. Leah wants to help her, but is afraid that she will become a target as well. What should Sonia do?

(a) Join the conversation and defend her classmate against cyberbullying.

(b) Report cyberbullying to a trusted adult, such as a teacher/school psychologist or supervisor.

(c) Ignore the situation and hope that it will stabilize on its own.

Answer: (b).

As a witness to cyberbullying, Leah has an important role to play in ensuring her friend's safety while looking after her own psychological well-being. If she has fears regarding confrontation with a bully, she can report an incident of cyberbullying to a trusted and competent person or offer support to the person experiencing the behavior. This is important because those being cyberbullied often feel alone in their misery.

57 Ashley's colleague has sent her a link to a movie that has not yet premiered in theaters. What should Ashley do?

(a) Click on the link and download the movie.

(b) Politely refuse and explain to him the importance of respecting copyright.

(c) Download the video and share it with friends.

Answer: (b).

Ashley should make her colleague aware that by copying and sharing a film without the permission of its author or producer, he commits piracy.

58 Challenge



59 Jake's favorite social media platform has added a new feature that collects and shares location data by default. This raises concern among some users about their privacy. What should Jake do?

(a) Use the new feature because it is a trend and everyone has been using it.

(b) Disable location sharing in the settings to protect his privacy.

(c) He can't disable this feature because the platform's rules don't allow it.

Answer: (b).

Jake should be mindful of his safety and be aware that such behavior could put him at risk of cyberstalking or data leakage. It is worth remembering that apps should always allow the option to disable location tracking. Enabling a new feature just because it is a trend is unwise as user security and privacy are more important than temporary popularity of the feature.

60 Adam and his classmates noticed that some of the books in the school library were outdated and in poor condition. What can boys do?

(a) Send a letter to the school administration outlining their concerns and suggestions.

(b) Ignore the problem and focus on learning.

(c) Complain but take no action.

Answer: (a).

That response promotes social activism and civic courage and encourages young people to voice their objections in a constructive way. It teaches them the power of communication and advocating the issues that are important to them through writing and to effectively express their opinions to shape positive change.