

PONY

مركز كتب الأطفال

ICT



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4th

Primary

First Term



Lesson 6

» Scientists and archaeologists can solve problems by collecting, analyzing, and graphing data.

» Sources of collecting data:

- 1 Books "digital or printed"
- 2 Surveys
- 3 Experiments "at labs"
- 4 Records

» Analyzing data:

- It includes reviewing and interpreting the collected data.
- The best way to interpret a lot of data is to look for trends (recurring patterns) in the information.
- Microsoft Excel is one of the best programs to analyze data.

» Graphing data:

- A common graph is a bar (column) graph.

Lesson 1

» People can communicate through:

- 1 Instant messages
- 2 Emails
- 3 Direct messages
- 4 Forums

» **Personal information:** It includes your name, address, school name, and date of birth.

» Be kind with others.



- » Never share any personal information unless you ask your teacher or a family member first.
- » Don't click on links that you are unsure of.
- » If you view an **inappropriate site**:
 - 1 Leave the site.
 - 2 Tell your teacher or a family member.
- » Check the website and the link before you download a file. It may have a **virus** that damages your device or tracks your information.
- » If you are not sure of the website and link, don't download the file.
- » Check your **privacy settings** on social media sites.



Lesson 2

- » When you **tag** someone, you identify that person in the post.
- » Make sure you respect the people you tag by asking your friends first if they agree to be tagged before you post.
- » It is important to **credit the sources** of the information you share.
- » **Banned sites** may publish **inaccurate**, **immoral**, and **harmful material**.
 - 1 Don't go on banned sites.
 - 2 Ask your teacher or a family member before you go on a new site.
- » **The positive effect of ICT:** Information can be accessed easily.
- » **The negative effects of ICT:**
 - 1 You may come across something online that upsets you.
 - 2 **Eye strain** and **headaches**.
 - 3 Some search results don't always give the right answer.

1 Choose the correct answer:

- Before you show your results on charts, you should
a. share them online with others **b. analyze them**
c. remove them d. delete them
- If you view an inappropriate site, what should you do?
a. Stop using technology. b. Keep the site open.
c. Open the site again. **d. Leave the site.**
- Spending too much time using technology causes
a. permanent activity b. positive results
c. **eye strain** d. privacy
- Viruses can
a. **damage your file** b. damage the mouse
c. connect to the Internet d. help your files
- Accessing information with just a click of the mouse is from the of using ICT tools.
a. **positives** b. negatives c. dangers d. none of them
- Before posting any information on social media, ask yourself: ?
a. Do you harm anyone b. Is this post kind
c. Is this content good **d. All of them**
- The best way to collect information is getting it from
a. Facebook **b. books** c. WhatsApp d. trends
- Saving a file from the Internet to your computer is called
a. sharing **b. downloading** c. uploading d. blocking
- Banned websites may contain content.
a. inaccurate b. unethical c. harmful **d. all of them**



- 10 If a video file was sent by an unknown person on your social media account, you must
- a. download the file to watch it
 - b. tell your parents and don't open the file
 - c. tell your friends
 - d. open the file first, then tell your parents
- 11 The best way to interpret a lot of data is to look for
- a. records
 - b. surveys
 - c. trends
 - d. interviews
- 12 sites may publish inaccurate and harmful material.
- a. Scientific
 - b. Trusted
 - c. Banned
 - d. Educational
- 13 The first step of solving any problem is the data.
- a. graphing
 - b. collecting
 - c. analyzing
 - d. reviewing
- 14 Before downloading any file, always check the is trusted.
- a. file size
 - b. website
 - c. speed
 - d. file name
- 15 Which of the following programs do you prefer to create a graph?
- a. PowerPoint
 - b. Paint
 - c. Word
 - d. Excel
- 16 If someone sent you a friend request on a social networking site, you must
- a. close the device
 - b. delete the friend request
 - c. check their identity
 - d. steal their data
- 17 A negative consequence of using ICT tools is
- a. getting eye strain
 - b. headaches
 - c. both a and b
 - d. sharing data
- 18 After analyzing the data, you can it.
- a. collect
 - b. share
 - c. graph
 - d. send
- 19 is the feature used to mention one of your friends on social media sites.
- a. Liking
 - b. Sending
 - c. Tagging
 - d. Data theft
- 20 Be careful when downloading a file because viruses can
- a. protect your information
 - b. track your information
 - c. clean your computer
 - d. improve your device speed

Handwritten blue arrows pointing to questions 11 and 12.

Handwritten blue arrow pointing to question 18.

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2 Put (✓) or (X):

- 1 Surveys are considered the most common source of collecting data. (✓)
- 2 Use what you learned to stay safe and happy while online; that means learning is power. (✓)
- 3 You should use ICT tools ^{out} wisely and ^{ethically} ethically. (✓)
- 4 It is preferred to graph the data collected about a problem before analyzing it. (X)
- 5 Computers and smartphones are used to communicate via the Internet. (✓)
- 6 When you tag someone, they can see your post. (✓)
- 7 You should not respect the law while using the Internet. (X)
- 8 Paint is one of the useful ICT tools for analyzing and graphing data. (X)
- 9 You should share your address and school name on social media. (X)
- 10 You can share information about your friends on social media sites without their permission. (X)
- 11 All people online are kind and trustworthy. (X)
- 12 You can share a video that may cause you or your friends embarrassment and harm. (X)
- 13 You must make sure that the collected information about a phenomenon or a problem is trusted. (✓)
- 14 You can mention a friend on social media sites using the tag. (✓)
- 15 Graphs are a good way to display and compare results. (✓)
- 16 Viruses track your information. (✓)
- 17 Your personal information should be public for all users to see and save. (X)
- 18 It's not important to credit a source that provides you with information. (X)

- 19 One of the negative effects of using ICT is communication with friends. (X)
- 20 One common graph is the pie graph. (X)
- 21 Banned sites may publish accurate, immoral, and harmful material. (X)
- 22 Collecting data is the last step in problem solving. (X)
- 23 It is not necessary to know the identity of the person you are having a conversation with over the Internet. (X)
- 24 Uploading a file means that you can save it on your device. (X)
- 25 Over usage of technology devices may cause eye strain and headaches. (✓)

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Answers

1	1 b	2 d	3 c	4 a	2	1 ✓	2 ✓	3 ✓	4 x
	5 a	6 d	7 b	8 b		5 ✓	6 ✓	7 x	8 x
	9 d	10 b	11 c	12 c		9 x	10 x	11 x	12 x
	13 b	14 b	15 d	16 c		13 ✓	14 ✓	15 ✓	16 ✓
	17 c	18 c	19 c	20 b		17 x	18 x	19 x	20 x
						21 x	22 x	23 x	24 x
						25 ✓			

