Answer Key

Questions and activities where the answer will vary are not included in this answer key.

Lesson 1

Page 3

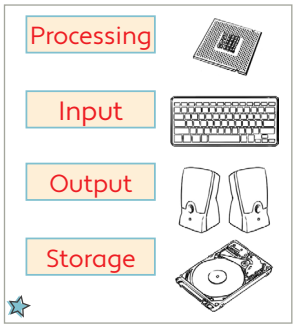
What did the computer do at lunchtime?

I	T			
01001001	01010100			
H	A	D		
01001000	01000001	01000100		
A				
01000001				
B	Y	T	E	
01000010	01011001	01010100	01000101	

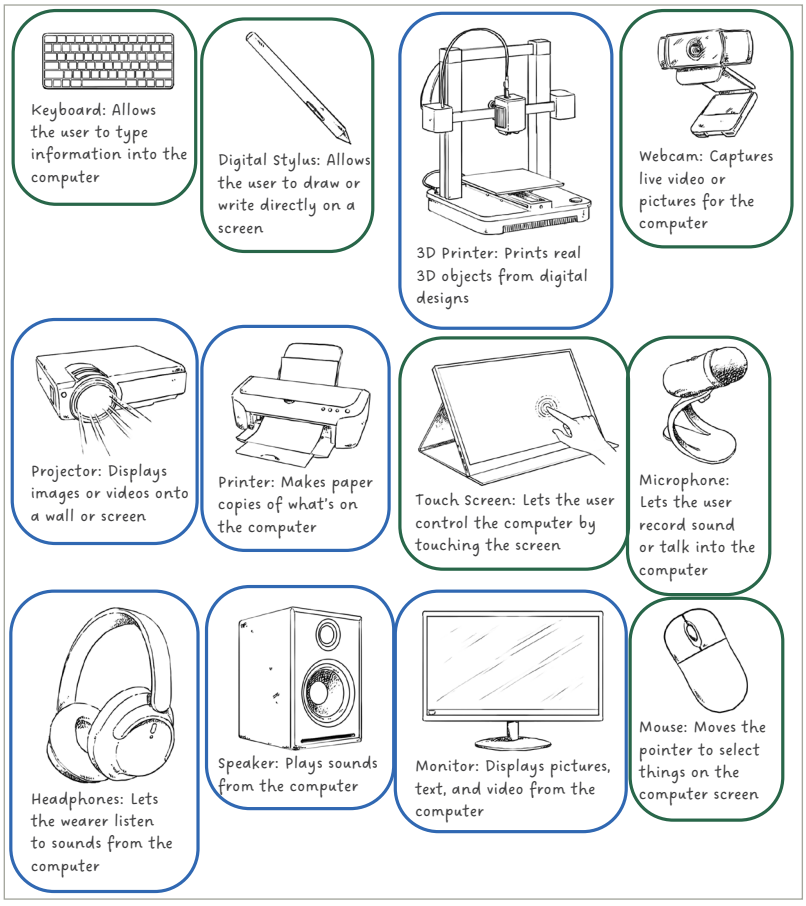
What did the computer eat on the moon?

S	P	A	C	E
01010011	01010000	01000001	01000011	01000101
B	A	R	S	
01000010	01000001	01010010	01010011	

Page 6



Page 8



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LESSON 2

Page 12

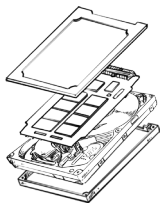
1. How many CDs are in the image?	5
2. What color is the large speaker?	red
3. What is shown on the laptop screen?	binary code
4. What color are the headphones?	pink

Page 17

If your selections require more than 16 GB of RAM, what are your options?

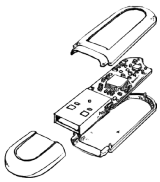
Answers will vary but may include the following: Don't use programs at the same time. Upgrade your computer to add more RAM.

Page 21



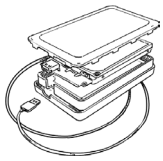
Solid-State Hybrid Drive (SSHD)

Internal / or / External



Flash Drive

Internal / or / **External**



External Hard Drive

Internal / or / **External**



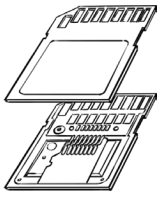
Solid-State Drive (SSD)

Internal / or / External



Hard Disk Drive (HDD)

Internal / or / External



Memory Card

Internal / or / **External**

Page 23

1. When your device shuts down, everything in **RAM** | storage is removed, which is why saving your work regularly is important.

2. Transferring | **Backing up** files means creating a second copy of your important information in a different location.

3. When you upload files to the cloud, your data is stored in large computer facilities called **data centers** | storage warehouses, which run 24 hours a day and keep your information available.

4. Chromebooks are designed mainly for **cloud computing** | hard drive computing, which means storing and using apps on the internet instead of the device.

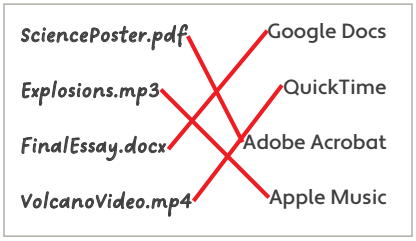
Page 13

8	2	5	3	6	9	1	4	7
9	1	6	7	4	2	8	3	5
3	4	7	8	5	1	2	6	9
2	7	3	6	8	5	9	1	4
5	8	1	4	9	3	7	2	6
4	6	9	1	2	7	3	5	8
7	5	4	2	1	8	6	9	3
6	3	2	9	7	4	5	8	1
1	9	8	5	3	6	4	7	2

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LESSON 4

Page 43



Page 47

1. Draw a line from the file name to the file type.



2. Open the folder where you downloaded the files. Make sure you have the data or Details view enabled.

Which file has the largest file size? culturalicons.jpg

Which file has the smallest file size? historyofemojis.pdf

4. Which emoji was named Word of the Year by Oxford Dictionary in 2015?

tears of joy

5. Approximately how many emojis are included in the Unicode Standard?

thousands

LESSON 5

Page 51

Which of these letter combinations didn't get separated? ER

E T A O I N S H R D L U

Answers will vary.

Some possibilities include internet, net, data, run, user, etc.

Page 52

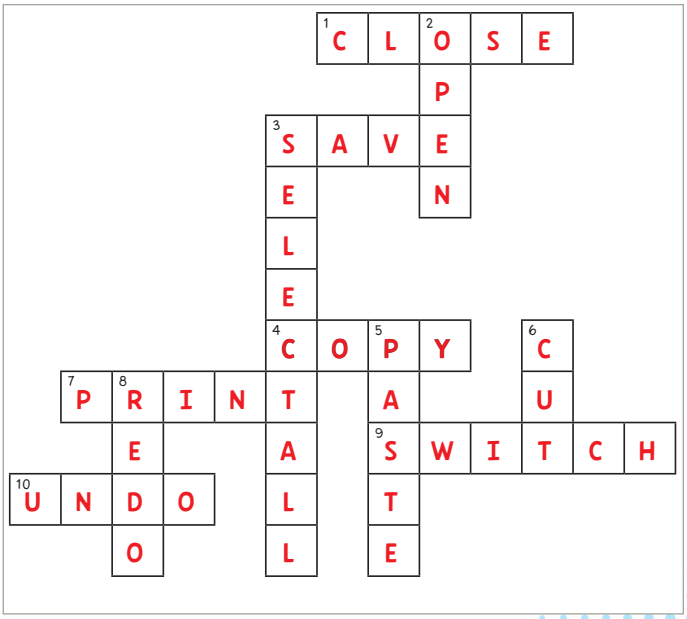
How many of the most commonly used letters are found on

the top row? 6

the middle row? 5

the bottom row? 1

Page 57



Lesson 5 (cont)

Page 60

Key Combination	Symbol	What does it do?
Fn + F2	Large sun	Turns brightness up
Fn + F1	Small sun	Turns brightness down
Fn + F9	Right-pointing double arrow	Fast-forward video play
Fn + F11	Small speaker	Turns volume down
Fn + F12	Large speaker	Turns volume up

Lesson 6

Page 68

- [ ] You accidentally deleted an entire paragraph of your document. Find the option that lets you undo your last action. Which menu did you find it in? Edit
- [ ] You want to add a photo into your essay. Find the option that lets you insert a photo. Which menu did you find it in? Insert
- [ ] Your essay needs to be at least 500 words long. Which menu do you need to open? Tools
- [ ] You want to look at your document without seeing the rulers. Which menu do you need to use to turn them off? View
- [ ] You are ready to print your document. Which menu do you need to use to do that? File
- [ ] You forgot how to use tables and need some extra guidance. Where do you look? Help
- [ ] You want to add a dictionary extension to Google Docs. Which menu do you need to use to add it? Extensions
- [ ] You want to change the text of your essay title to make it bold. Which menu do you need to go to? Format

Page 74

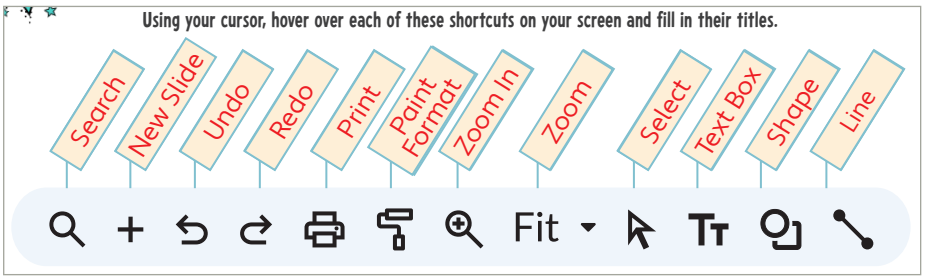
- [ ] Click on your image to bring up the toolbar. Select the three dots, then ***All image options***. Look through the menu to see what options you have available. Try selecting the ***Recolor*** option and scroll down to select the gray image. What happened to your image?

  It made the image appear black and white (grayscale).

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LESSON 7

Page 81



LESSON 8

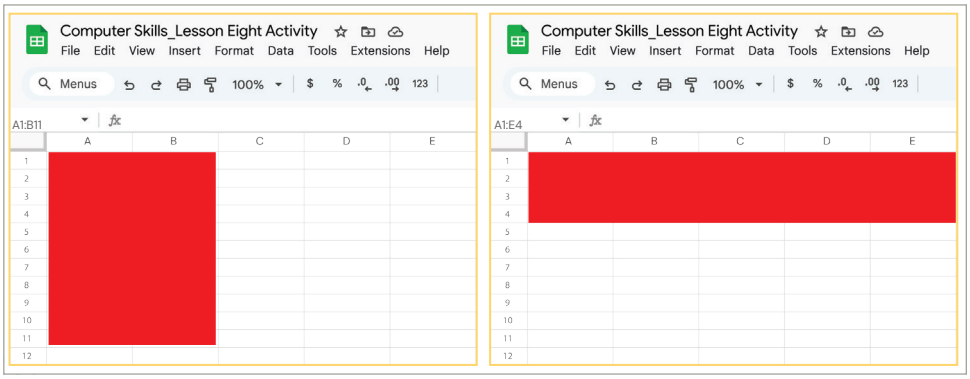
Page 95

☐ Which menu is different? Data menu

Page 96

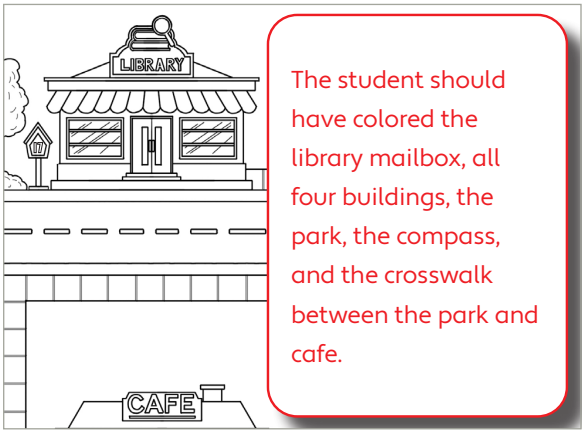
☐ Click on cell B2. Now press enter four times, then press tab seven times. Which cell did you land on? I4

☐ Now click on cell C4. Press the down arrow three times and the right arrow five times. Which cell did you land on? H7



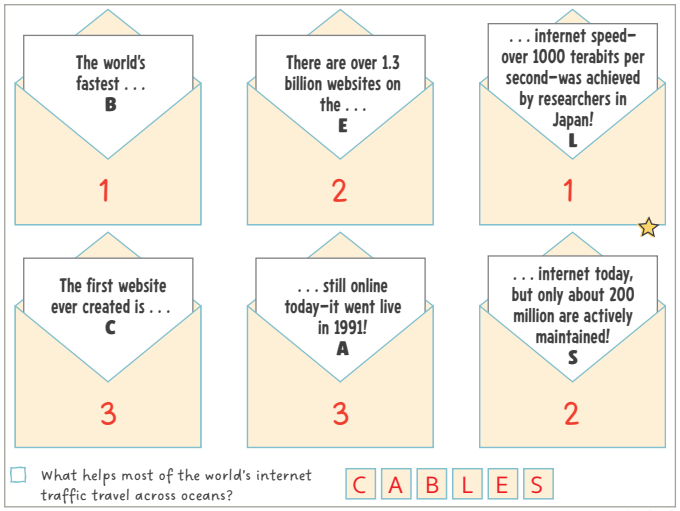
LESSON 9

Page 107



The student should have colored the library mailbox, all four buildings, the park, the compass, and the crosswalk between the park and cafe.

Page 108



☐ What helps most of the world's internet traffic travel across oceans? C A B L E S

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LESSON 9 (CONT)

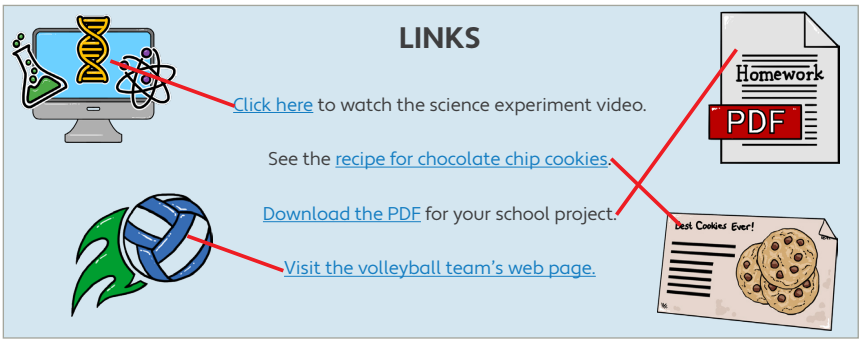
Page 111

- [ ] Underline the protocol in red, the subdomain in blue, the domain name in orange, the top-level domain in green, and the path in yellow.

  https://www.goodandbeautiful.com/computerskills

- [ ] Based on the URL, is the website secure? YES/NO

Page 112



LESSON 10

Page 116

Which of the three is the real email? Email 2

EMAIL 1

support@acc0unt-secur1ty.net

URGENT: Verify your account NOW

Dear User,

We have noticed unusual activity on your account. If you do not confirm your login details within 24 hours, your account will be suspended permanently. Please act now to avoid losing access.

Click the link below to verify your password and personal information:

[Verify-Here-login.secure-uupdate.net]

Failure to comply will result in account closure.

Thank you for your immediate cooperation,

Tech Support Team

EMAIL 3

rewardz@pr1ze-cla1mz.net

Congratulations! You Won!

Hello,

You are selected the lucky WINNER of our reward contest! To claim your prize, simplee reply with your full name, addresss, and date of birth. If we do not receive info in 12 hour, your prize will be given to someone else.

This is your only chance! Don't miss out on this exciting opertunity.

Reply now to: reward@claimz.net

Sincerely,

Reward Department

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LESSON 10 (CONT)

Page 118

What information would be revealed if you shared that your answer to this activity was Fitzwilliam Drew from Neverland?

Birth month is April, favorite color is black, and the last digit of your phone number is 7

Page 120

- [X] A post saying you are home alone and bored
- [ ] A photo of a painting you made for your art class
- [ ] A post celebrating that you volunteered at a community event
- [X] Your full home address so friends know where you live
- [X] A silly photo of a friend doing something embarrassing
- [ ] A photo of the scenery from a recent hike
- [X] Something a friend told you in confidence
- [X] A message to a friend that pokes fun at another friend
- [ ] An uplifting quote from your favorite book

Page 124

SPAM, PHISHING & MALWARE

- Keep your firewall enabled and use antivirus software.
- Know the red flags for phishing emails.
- Don't click suspicious links.

YOUR DIGITAL FOOTPRINT

- Post positive, uplifting content.
- Don't overshare personal details.

CYBERBULLYING

- Be kind online.
- Don't participate in cyberbullying.
- If you see cyberbullying, speak up!

CYBERSTALKING

- Keep any evidence of cyberstalking, then block the person contacting you.
- Keep open communication with your parents or a trusted adult.
- Go to the proper authorities if the law is broken.

UNPLUG

- Spend your time online in a positive way.
- Have a purpose for going online.
- Make time for offline activities.

PROTECTING YOUR PERSONAL INFO

- Personal info to keep safe: full name, phone number, birthday, and home address or place you visit often.
- Don't share personal info online, even if you think it's private.
- Look out for online quizzes or games that want you to answer with personal information.

CREATING A STRONG PASSWORD

- Don't reuse the same password in multiple places.
- Don't use easy-to-guess words like names, birthdays, or addresses.
- Don't share your password.

PORNOGRAPHY

- If you see pornography, turn it off immediately.
- Never share private pictures of yourself, even if someone asks or threatens you.
- If someone pressures you online, say no and block them right away.
- Save the messages and show them to your parents or a trusted adult so they can help you.

ONLINE PREDATORS

- Only accept friend requests or chats from people you actually know in real life.
- Know your family's rules about chatting online.
- Never give out personal information.
- Never agree to meet someone you met online.

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LESSON 11

Page 130

*Use the **Control** or **command + F** feature to open a search bar and look for the keyword "habitat."*

- ☐ *Were you able to verify that the information is there?* **Yes** | **No**
- ☐ *Looking over the page, does it clearly explain the topic of jaguars?* **Yes** | **No**

☐ *Do the experts have qualifications that indicate the information on the website is reliable?* **Yes** | **No**

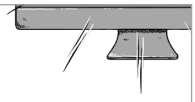
Page 131

*You can read about the site's purpose by clicking on **About Us** and then **Discover Who We Are** at the bottom of the menu. Read through the page to understand more about the World Wildlife Fund.*

- ☐ *Is the site's purpose to educate its readers?* **Yes** | **No**
- ☐ *Is the site attempting to persuade its readers to believe a certain opinion?* **Yes** | **No**

Page 132

After looking through the website, does it . . .



- ☐ *look professional?* **Yes** | **No**
- ☐ *have well-written information?* **Yes** | **No**
- ☐ *appear well organized and free from distractions and spelling errors?* **Yes** | **No**

Page 133

Decide if the following examples are considered plagiarism.

- ☐ a sentence copied directly from a website Yes | No
- ☐ the same sentence with just a couple of words changed Yes | No
- ☐ a paraphrased version in different words with a citation at the end Yes | No

☐ Fill in the following information to correctly cite the source.

- ☐ Author: Britannica Editors
- ☐ Title: Jaguar
- ☐ Website Name: Britannica.com
- ☐ Date Accessed (Hint: That's today's date): Answers will vary.
- ☐ Date Published: Answers will vary.
- ☐ URL: https://www.britannica.com/animal/jaguar-mammal

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LESSON 12

Page 137

marco@myemail.com

Page 139

Co-op Science Fair Meeting

Hi everyone, just a reminder that our online meeting for the science fair is tomorrow at 3:00 p.m. Please let me know if you'll be attending.

Action:



Volleyball Team Photos

Hi team! Here are the team photos from volleyball camp last week. Please share the link with your parents.

Action:



Win a Free Phone!

Click here to claim your free phone today!

Action:



Updated Volleyball Schedule

Hello team, attached is the updated schedule for this month.

Action:



Volunteer Opportunity: Community Garden

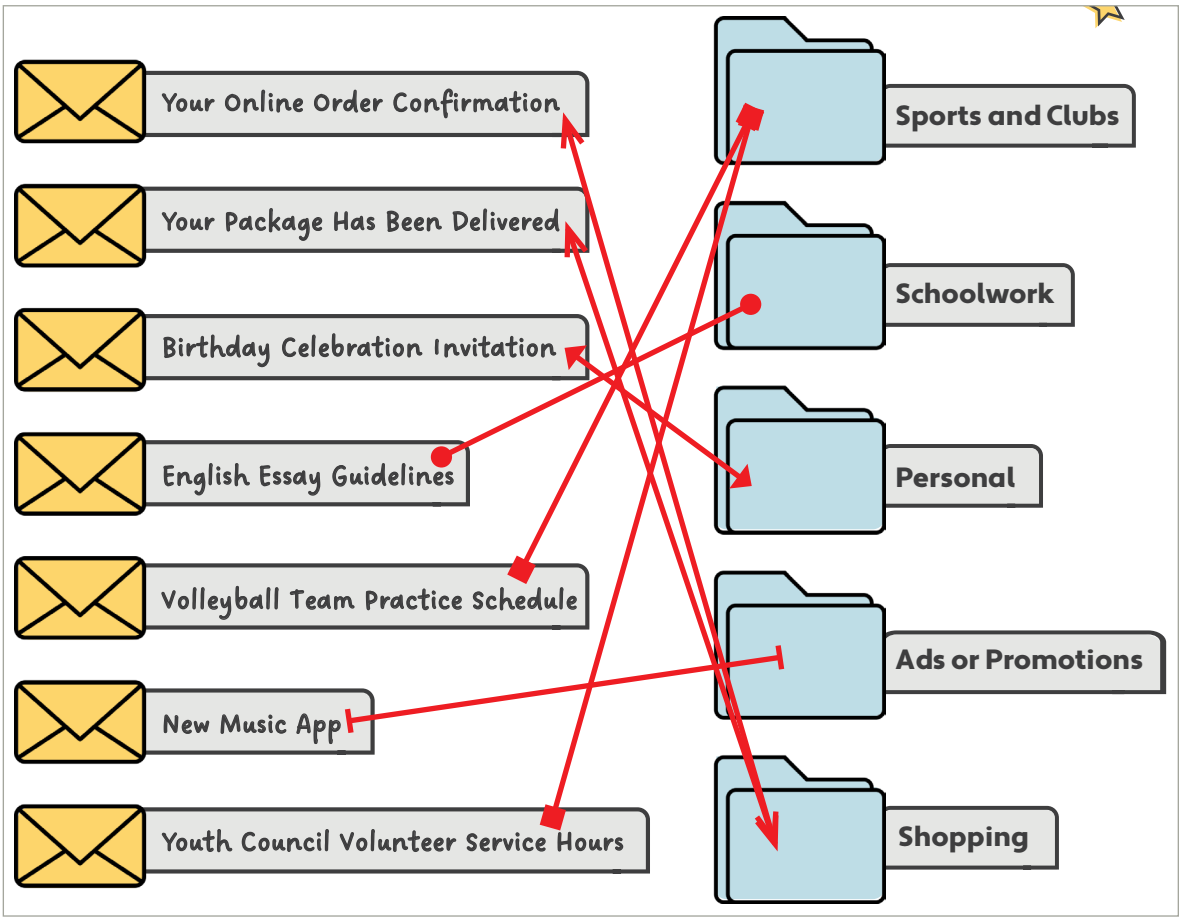
We're looking for volunteers to help with the community garden this Saturday. Please reply to the group if you can help.

Action:



LESSON 12 (CONT)

Page 140



Page 142

Ok thx

Hi Mrs. Lopez,

Thank you for letting us know about the schedule change. I'll make sure to be there at 9:00 a.m.

Have a nice day,
Jordan

Send me the file now.

Good morning Allie,

I just wanted to check and see if you would like a ride to volleyball practice tomorrow afternoon? If so, I can pick you up at 4:00 p.m.

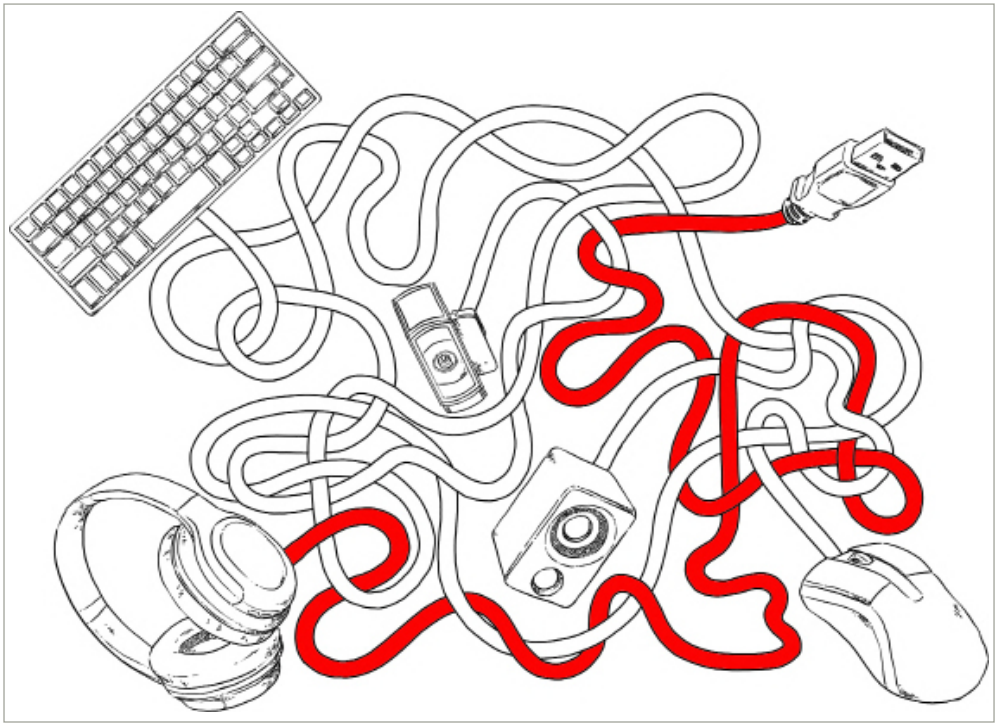
Thanks,
Katie

WHY DID YOU CHANGE THE LOCATION AGAIN?

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LESSON 13

Page 149



Page 152

Scenario One:
You're in the middle of your favorite math game when suddenly the screen freezes. The mouse and the keyboard aren't working either.

Scenario Two:
You're working on a school project, but every time you open a new window, your computer starts moving really slowly.

Scenario Three:
You're trying to watch a science video. There's no sound coming from your computer, but the video plays just fine.

Scenario Four:
Your internet pages won't load, and the email you wrote to your grandma isn't sending.

Scenario Five:
You've been using your computer all day, and now it's acting slow.

A. Check that the Wi-Fi is turned on and that you are connected to the correct network. Restart the router if needed.

B. Restart the computer or open the Task Manager or Force Quit option by pressing Control + Alt + Delete (Windows), command + option + escape (Mac), or Search + Escape (Chromebook).

C. Shut down your computer for a while to let it rest.

D. Make sure your volume is turned up and not muted. Check speakers or headphones to ensure that they are properly connected.

E. Close extra tabs and programs, restart your computer, or run a disk cleanup.

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