

Lesson 2.5: Assessment Exercises

Objectives

After completing this lesson, students will:

- ❖ Have an understanding of how much they learned and understood during Unit 1

Agenda

- | | |
|-----------------------|---------|
| 1. Student Activity | 30 mins |
| 2. Wrap Up and Review | 20 mins |

Preparation

- Print student activity worksheet (one per student)

Resources & Links

- None

1. Student Activity: Assessment Exercises

Optionally do a quick review of material covered in Unit 2 or you can use the exercise solutions discussion as a means to review the material.

Distribute one worksheet per student. This is an assessment activity for material covered in Unit 2. Explain the activity to students. Leave enough time at the end to go over the answers.

2. Review Activity Solutions

Engage students in an interactive discussion of the answers for each of the exercises.

1.

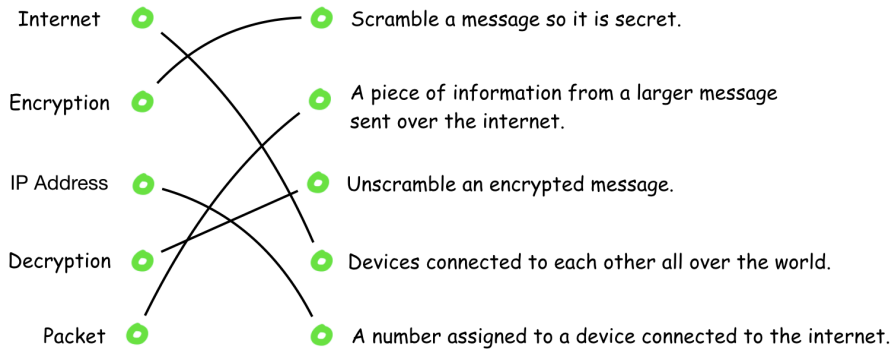
Information	Safe	Not Safe
Your name		x
Favorite ice cream flavor	x	
Your address		x
Date of birth		x
Gender	x	
Your age		x
The name of your dog	x	
Your favorite movie	x	
Where you go to school		x

2.

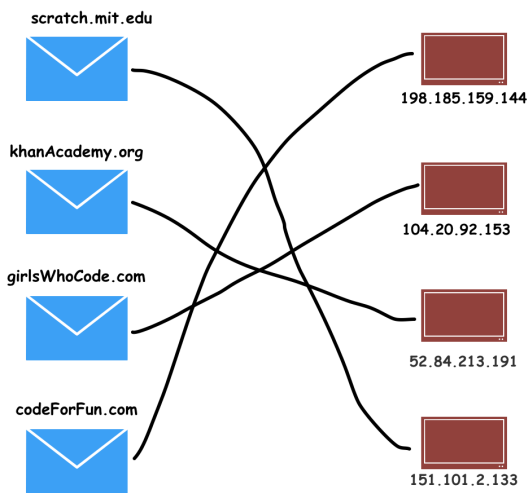
- Because it can be stolen by people who don't have good intentions.
- Because your homework can get stolen.
- Because it is distracting.
- Because of identity theft.

3. **COMPUTER -> GSQTYXIV**
HYHQW -> EVENT

4.



5.



Student Activity: Assessment Puzzles

1. Check the box if the information is an example of something that is **safe** to share online or **not safe**. Think about it before you answer.

Information	Safe	Not Safe
Your name		
Favorite ice cream flavor		
Your address		
Date of birth		
Gender		
Your age		
The name of your dog		
Your favorite movie		
Where you go to school		

2. Why is it not safe to share private information? Check all the reasons that apply.

Because:

- It can be stolen by people who don't have good intentions.
- your homework can get stolen.
- It is distracting.
- of identity theft.

3. Encryption and decryption using Caesar Cipher.

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

→ **Encrypt** the following word using Caesar Cipher and a **shift value of 4**:

COMPUTER

→ **Decrypt** the following encrypted word using Caesar Cipher and a **shift value of 3**:

HYHQW

4. Connect the words with a line to the correct definition

Internet ●

● Scramble a message so it is secret.

Encryption ●

● A piece of information from a larger message sent over the internet.

IP Address ●

● Unscramble an encrypted message.

Decryption ●

● Devices connected to each other all over the world.

Packet ●

● A number assigned to a device connected to the internet.

5. Draw a line from each envelope to the server it is supposed to be delivered to.

DNS (Domain Name Service) Table

codeForFun.com	198.185.159.144
girlsWhoCode.com	104.20.92.153
khanAcademy.org	52.84.213.191
scratch.mit.edu	151.101.2.133

