

Worksheet, Math

Student's Name: _____

Teacher: _____

Period: _____ Date: _____

Objectives

- Understand how mathematical concepts apply to real world network engineering.
- Practice greatest common factor (GCF) and prime factorization.

Follow along with the presentation, and choose the correct answers or fill in the blanks.

1. List four types of networks _____, _____, _____, _____.
2. Security is the act of _____ a **person**, _____ or **organization** from _____.
3. **What does security mainly concern?**
 - (a) Locking up criminals in jail.
 - (b) Effectively using locks, keys and alarm systems.
 - (c) Protecting against possible attacks on individuals, property or establishments.
4. **List three types of data or property you would like to protect from an attacker.**
 1. _____
 2. _____
 3. _____
5. _____ is the process of **converting a message called the _____ text into a secret code called the _____ text**, and then changing the secret code **back to regular text**.
6. There are two parts to cryptography:
 - (1) _____: Converting from regular text to secret code; and
 - (2) _____: Converting from secret code back to regular text.
7. List two different keys you or your family use for security.
_____, _____