

# Unit 6: Probability

Content Area: **Math**  
Course(s):  
Time Period:  
Length: **1 week**  
Status: **Published**

## State Mandated Topics Addressed in this Unit

State Mandated Topics Addressed in this Unit	
N/A	N/A

## Unit Summary

Lastly; we embark into unit 6, which is all about probability. The probability unit focuses on summarizing categorical data and therefore be able to recognize possible trends and associations of the data.

## Learning Objectives

- Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies). Recognize possible associations and trends in the data.

## Essential Skills

- Interpret the relative frequencies including joint, marginal and conditional relative frequencies.
- Recognize possible trends and associations in the data.
- Summarize data in a two-way frequency table.

## Standards

MATH.9-12.S.ID.B.5

Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies). Recognize possible associations and trends in the data.

## Instructional Tasks/Activities

HSS-CP.A.4 Worksheet #1 – Two Way Frequency Tables

- hss-cp.a.4worksheet1.docx
- hss-cp.a.4worksheet1ans.docx

### HSS-CP.A.4 Worksheet #2 – Two Way Frequency Tables (Union & Intersection)

- hss-cp.a.4worksheet2.docx
- hss-cp.a.4worksheet2ans.docx
- HSS-CP.A.4 Worksheet #1 – Two Way Frequency Tables
- HSS-CP.A.4 Worksheet #2 – Two Way Frequency Tables (Union & Intersection)

## Assessment Procedure

---

- Class discussions
- Classroom Total Participation Technique
- Classwork/homework
- Compare/contrast journals
- DBQ
- Electronic active responders
- Essay
- Exit Ticket/Entrance Ticket/Do Now
- Identify the error problems
- Journal / Student Reflection
- Kahoot
- Other named in lesson
- Peer Review
- Performance
- Problem Correction
- Project
- Quiz
- Response and analysis questions
- Rubric
- Teacher Collected Data
- Teacher observations
- Test
- Worksheet

## Recommended Technology Activities

---

- Appropriate Content Specific Online Resource
- Appropriate Content Specific Online Resource
- Copy/Paste Content Specific Link Here
- Copy/Paste Content Specific Link Here
- Copy/Paste Content Specific Link Here
- Gimkit
- GoGuardian
- Google Classroom
- Google Docs
- Google Slides
- Google Slides
- Kahoot
- MagicSchool AI
- Other- Specified in Lesson
- Quiziz
- Screencastify
- Use of ChromeBooks for research and simulations, calculator activities throughout the unit as appropriate.

## **Accommodations & Modifications & Differentiation**

---

Accommodations and Modifications should be used to meet individual needs. Their IEP and 504 plans should be used in addition to the following suggestions.

## **Special Education**

---

Modifications and accommodations to this unit will be based on individual IEP needs and through the collaboration of the classroom teacher and the special education teacher under the direction of the Supervisor of Special Education.

## **Gifted and Talented**

---

- Compare & Contrast
- Conferencing
- Debates
- Jigsaw
- Peer Partner Learning

- Problem Solving
- Structured Controversy
- Think, Pair, Share
- Tutorial Groups

## **Instruction/Materials**

---

- alter format of materials (type/highlight, etc.)
- color code materials
- eliminate answers
- extended time
- extended time
- large print
- modified quiz
- modified test
- Modify Assignments as Needed
- Modify/Repeat/Model directions
- necessary assignments only
- Other (specify in plans)
- other- named in lesson
- provide assistance and cues for transitions
- provide daily assignment list
- read class materials orally
- reduce work load
- shorten assignments
- study guide/outline
- utilize multi-sensory modes to reinforce instruction

## **Environment**

---

- alter physical room environment
- assign peer tutors/work buddies/note takers
- assign preferential seating
- individualized instruction/small group
- modify student schedule (Describe)
- other- please specify in plans
- provide desktop list/formula

## **Resources**

---

- <http://geometrycommoncore.com>
- <https://www.engageny.org/resource/high-school-geometry>
- <https://education.ti.com/en/timathnspired/us/standards-search>

- <http://geometrycommoncore.com>
- <https://education.ti.com/en/timathnspired/us/standards-search>
- <https://www.engageny.org/resource/high-school-geometry>

## **Honors Modifications**

---