

Unit #5: Buying Goods and Services

Content Area: **Math**
Course(s):
Time Period:
Length: **5 weeks**
Status: **Published**

State Mandated Topics Addressed in this Unit

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|---|-----|
| N/A | N/A |

Buying Goods and Services

Learning Objectives

- Objective 1 - Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.
- Objective 2 - Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or nonviable options in a modeling context. For example, represent inequalities describing nutritional and cost constraints on combinations of different foods.
- Objective 3 - Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method.
- Objective 4 - Solve simple rational and radical equations in one variable and give examples showing how extraneous solutions may arise.
- Objective 5 - Evaluate the social and economic implications of privacy in the context of safety, law, or ethics

Essential Skills

- Essential Skill 1 - Create equations that represent relationships between quantities.
- Essential Skill 10 - Apply a rational decision-making process to personal buying decisions
- Essential Skill 11 - Identify goods and services and distinguish between the two.
- Essential Skill 12 - Apply comparison shopping practices and return policies.
- Essential Skill 13 - Identify alternative sources for purchases (on-line, retail stores, catalogs).
- Essential Skill 14 - Recognize that laws are available to protect the rights of consumers.
- Essential Skill 15 - Discuss various ways competition among buyers helps the consumer.
- Essential Skill 16 - Describe reasons why there are variances in price for a given item bought from different providers.

- Essential Skill 17 - Use reliable consumer resources to collect information for making buying decisions about durable and nondurable goods.
- Essential Skill 18 - Analyze and evaluate advertising claims.
- Essential Skill 19 - Investigate current types of consumer fraud, including on- line scams.
- Essential Skill 2 - Graph equations on axes with labels and scales.
- Essential Skill 20 - Describe consumer rights, responsibilities, and remedies, give examples of each.
- Essential Skill 21 - Compare the costs and benefits of purchasing, leasing, and renting.
- Essential Skill 22 - Identify and describe consumer assistance services provided by public and private organizations (e.g. government, the Better Business Bureau, and manufacturers).
- Essential Skill 23 - Calculate the costs of utilities, services, maintenance, and other expenses involved in independent living.
- Essential Skill 24 - Examine the impact of advertising and marketing on consumer demand and decision-making in the global marketplace.
- Essential Skill 25 - Research consumer advocacy groups that address consumer rights and responsibilities and describe how an individual can participate.
- Essential Skill 26 - Describe the role that supply and demand and market structure play in determining the availability and prices of goods and services.
- Essential Skill 3 - Represent solutions of equations, inequalities, and systems to real-world applications.
- Essential Skill 4 - Interpret solutions as viable based on the constraints of the application.
- Essential Skill 5 - Explain the steps to solving an equation.
- Essential Skill 6 - Construct a viable argument to justify a solution method.
- Essential Skill 7 - Solve simple rational and radical equations.
- Essential Skill 8 - Identify extraneous solutions.
- Essential Skill 9 - Explain how a consumer can identify and report fraudulent behavior and practices observed on the Internet.

Standards

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|---------------------|---|
| MATH.9-12.A.CED.A.2 | Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales. |
| MATH.9-12.A.CED.A.3 | Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or nonviable options in a modeling context. |
| MATH.9-12.A.REI.A.1 | Explain each step in solving a simple equation as following from the equality of numbers asserted at the previous step, starting from the assumption that the original equation has a solution. Construct a viable argument to justify a solution method. |
| MATH.9-12.A.REI.A.2 | Solve simple rational and radical equations in one variable, and give examples showing how extraneous solutions may arise. |
| TECH.9.4.2.DC.3 | Explain how to be safe online and follow safe practices when using the internet (e.g., 8.1.2.NI.3, 8.1.2.NI.4). |

Instructional Tasks/Activities

- <https://educators.brainpop.com/bp-jr-topic/goods-and-services/>

- <https://www.edutopia.org/pdfs/stw/edutopia-stw-financial-lit-ariel-lessonplan-goods-services.pdf>
- <https://www.thetruckersreport.com/library/lesson-plans-goods-and-services-and-how-we-get-them/>

Assessment Procedure

- Classroom Total Participation Technique
- Classwork
- DBQ
- Essay
- Exit Ticket/Entrance Ticket/Do Now
- Journal / Student Reflection
- Kahoot
- Other named in lesson
- Peer Review
- Performance
- Problem Correction
- Project
- Quiz
- Rubric
- Teacher Collected Data
- Teacher Observation
- Test
- Verbal Assessment
- Worksheet

Recommended Technology Activities

- Appropriate Content Specific Online Resource
- Chromebook
- Gimkit
- GoGuardian
- Google Classroom
- Google Docs
- Google Forms
- Google Slides
- Kahoot
- MagicSchool AI
- Other- Specified in Lesson
- Quiziz

- Screencastify

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.

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

Honors Modifications

Resources

- <https://www.ixl.com>
- <https://www.khanacademy.org/>