

Mr. Britton's Math Lessons for the Week of February 1st

Goals for the Week

- 1) Give examples of how ratios are used to represent comparisons; e.g., part-to-part, part-to-whole, whole-to-part.
- 2) Use models and pictures to relate concepts of **ratio**, **proportion** and percent, including percents less than 1 and greater than 100.

| Day | Our Plan | Assessment |
|-----------|---|---|
| Monday | Problem of the Day #6 | POD #6 Assignment #6: Solving/Setting Up Proportions |
| | Lesson: Proportions | |
| | Summarization: SP – pgs. 19 | |
| | Assignment: Assignment #6: Solving/Setting Up Proportions | |
| | Activities: Fill out agendas and grade graphs | |
| | Study Island: 6 th Grade: Triangles | |
| Tuesday | Problem of the Day #7 | POD #7 Assignment: Practice/Reteach: Proportions |
| | Lesson: More Proportions | |
| | Summarization: SP – Go Over Assignment #6: Solving/Setting Up Proportions | |
| | Assignment: Practice/Reteach: Proportions | |
| | Activities: Choice Board | |
| | Study Island: 6 th Grade: Triangles | |
| Wednesday | Problem of the Day #8 | POD #8 Assignment #7: Proportion Word Problems |
| | Lesson: Proportion Word Problems | |
| | Summarization: SP – pgs. 19 | |
| | Assignment: Assignment #7: Proportion Word Problems | |
| | Activities: Choice Board | |
| | Study Island: 6 th Grade: Triangles | |
| Thursday | Problem of the Day #9 | POD #9 Top Ten #3-3 Due |
| | Lesson: Ratios, Proportions, and Percents | |
| | Summarization: SP – None | |
| | Assignment: Study Island: Ratios, Proportions, and Percents | |
| | Activities: Choice Board | |
| | Study Island: 6 th Grade: Triangles | |
| Friday | Problem of the Day #10 | POD #10 Assignment #8: Advanced Proportions |
| | Lesson: Advanced Proportions | |
| | Summarization: SP – pgs. 19 | |
| | Assignment: Assignment #8: Advanced Proportions | |
| | Activities: Choice Board | |
| | Study Island: 6 th Grade: Triangles | |
| | The Most Ridiculous Item of the Week | |

Mr. Britton's Pre-Algebra Lessons for the Week of February 2nd

Goals for the Week

1. Solve proportions.
2. Use proportions to solve real-world problems.
3. Use and construct scale drawings.
4. Convert between fractions, decimals, and percents.
5. Use the percent proportion to solve problems.
6. Compute and estimate percents.

| Day | Our Plan | Assessment |
|--|---|---|
| Monday | Problem of the Day #6 | POD #6 |
| | Lesson: Review for Rational Numbers Test | |
| | Summarization: SP – Notes | Study for Rational Numbers Test |
| | Assignment: Rational Numbers Sample Assessment | |
| | Activities: Fill out agendas and grade graphs | |
| | Activities: Choice Board | |
| Study Island: 7 th Grade: Pythagorean Theorem | | |
| Tuesday | Problem of the Day #7 | POD #7 |
| | Lesson: Rational Numbers Test | |
| | Summarization: SP – Notes | Rational Numbers Test |
| | Assignment: Rational Numbers Test | |
| | Activities: Choice Board | |
| | Study Island: 7 th Grade: Pythagorean Theorem | |
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| Wednesday | Problem of the Day #8 | POD #8 |
| | Lesson: Proportions | |
| | Summarization: SP – Notes | Top Ten #3-3 Due |
| | Assignment: Practice 6-2: Using Proportions | |
| | Activities: Choice Board | Assignment: Practice 6-2: Using Proportions |
| | Study Island: 7 th Grade: Pythagorean Theorem | |
| Thursday | Problem of the Day #9 | POD #9 |
| | Lesson: Scale Factor | |
| | Summarization: SP – Notes | Assignment: Practice 6-3: Scale Drawings and Models |
| | Assignment: Practice 6-3: Scale Drawings and Models | |
| | Activities: Choice Board | |
| | Study Island: 7 th Grade: Pythagorean Theorem | |
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| Friday | Problem of the Day #10 | POD #10 |
| | Lesson: Fractions, Decimals, and Percents | |
| | Summarization: SP – Notes | Assignment: Practice 6-4: Fractions, Decimals, and Percents |
| | Assignment: Practice 6-4: Fractions, Decimals, and Percents | |
| | Activities: Choice Board | |
| | Study Island: 7 th Grade: Pythagorean Theorem | |
| The Most Ridiculous Item of the Week | | |

Mr. Britton and Mrs. Kaiser Science Lessons for the Week of February 1st

Goals for the Week

1. **Describe** how an object can have potential energy due to its position or chemical composition and can have kinetic energy due to its motion.
2. **Identify** different forms of energy (e.g., electrical, mechanical, chemical, thermal, nuclear, radiant and acoustic).
3. **Explain** how energy can change forms but the total amount of energy remains constant.
4. **Trace** energy transformation in a simple closed system (e.g., a flashlight).

| Day | Our Plan | Assessment |
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| Monday | Fill in Agendas and Data Notebooks | Complete Worksheet/Questions |
| | Lesson: Forms of Energy, Energy Change, and Energy Sources | |
| | Green 1: Pgs. 10-15: Different Forms of Energy | |
| | Green 2: Pgs. 10-15: Different Forms of Energy | |
| | Orange: Pgs. 10-15: Energy Change and Heat Transfer | |
| | Purple: Pgs. 10-15: Nonrenewable and Renewable Energy | |
| | Text: E92-E97: Three Red-Check Questions/Review Questions on E97 | |
| Tuesday | Journal: Scientific Ways of Knowing | Journal: Scientific Ways of Knowing |
| | Lesson: Classification Skills | |
| | Lab: None | Classification Worksheet |
| | Assignment: Classification Worksheet | |
| | Activity: Organize Your Shoes | |
| | Reading: None | |
| Wednesday | Journal: None | Making a Generator Lab Questions |
| | Lesson: Magnetism | |
| | Lab: Making a Generator | |
| | Assignment: Making a Generator Lab Questions | |
| | Activity: Construct a Generator | |
| | Reading: None | |
| Thursday | Journal: Scientific Inventions/People/Discoveries | Journal: Scientific Inventions/People/Disco veries |
| | Green 1: Pgs. 16-19: More Forms of Energy | |
| | Green 2: Pgs. 16-19: More Forms of Energy | |
| | Orange: Pgs. 16-19: Conservation of Energy | |
| | Purple: Pgs. 16-19: Conserving Energy | |
| | Text: E84-E89: Four Red-Check Questions/Review Questions on E89 | |
| Friday | Journal: Probe | Journal: Probe |
| | Lesson: Energy Transformation | |
| | Lab: None | Energy Transformation Packet |
| | Assignment: Energy Transformation Packet | |
| | Activity: CPS/Study Island: Energy Transformations | |
| | Reading: None | |
| | The Success Manual | |

Study Island Topic: None

Weekly Notes and Events: Power Hour on Thursday, Conferences Next Week!