

# IMAGINARY NUMBERS



Camper's imaginations will go wild as they explore the mysteries of nature and numbers in the woods. Puzzles and problems abound as girls work together to solve the mysteries of the forest. The forest is full of magic, and campers will uncover its secrets as they measure, explore number patterns, shape and symmetry. Maybe some of the mythical creatures of the forest aren't imaginary after all!



Our second and third grade camps review material taught in First and Second Grade and preview material covered in Third Grade. All of our math activities align with the Common Core State Standards.

## Common Core Standards:

- CCSS.MATH.PRACTICE.MP1 Make sense of problems and persevere in solving them.
- CCSS.MATH.PRACTICE.MP2 Reason abstractly and quantitatively.
- CCSS.MATH.PRACTICE.MP3 Construct viable arguments and critique the reasoning of others.
- CCSS.MATH.PRACTICE.MP4 Model with mathematics.
- CCSS.MATH.PRACTICE.MP5 Use appropriate tools strategically.
- CCSS.MATH.PRACTICE.MP6 Attend to precision.
- CCSS.MATH.PRACTICE.MP7 Look for and make use of structure.
- CCSS.MATH.PRACTICE.MP8 Look for and express regularity in repeated reasoning.



## Math Skills in Imaginary Numbers:



- Combinations and Permutations
- Exploring algebraic patterns (patterns, functions, attributes)
- Exploring Pi, measuring circles
- Fibonacci Sequence
- Finding the area of irregular shapes
- Geometry: Properties of 2-D and 3-D Shapes
- Measuring length and width
- Mental Math
- Mirror Symmetry
- Multiplication Skills
- Probability
- Radial Symmetry
- Ratios
- Reasoning with shapes and their attributes
- Representing and Interpreting Data
- Strategic Problem Solving
- Surface Area
- Visual Spatial Problem Solving
- Work with equations involving addition, subtraction, multiplication and division
- Working with Money (dollars and coins)
- Campers also do an engineering design project and do botany activities throughout the week

