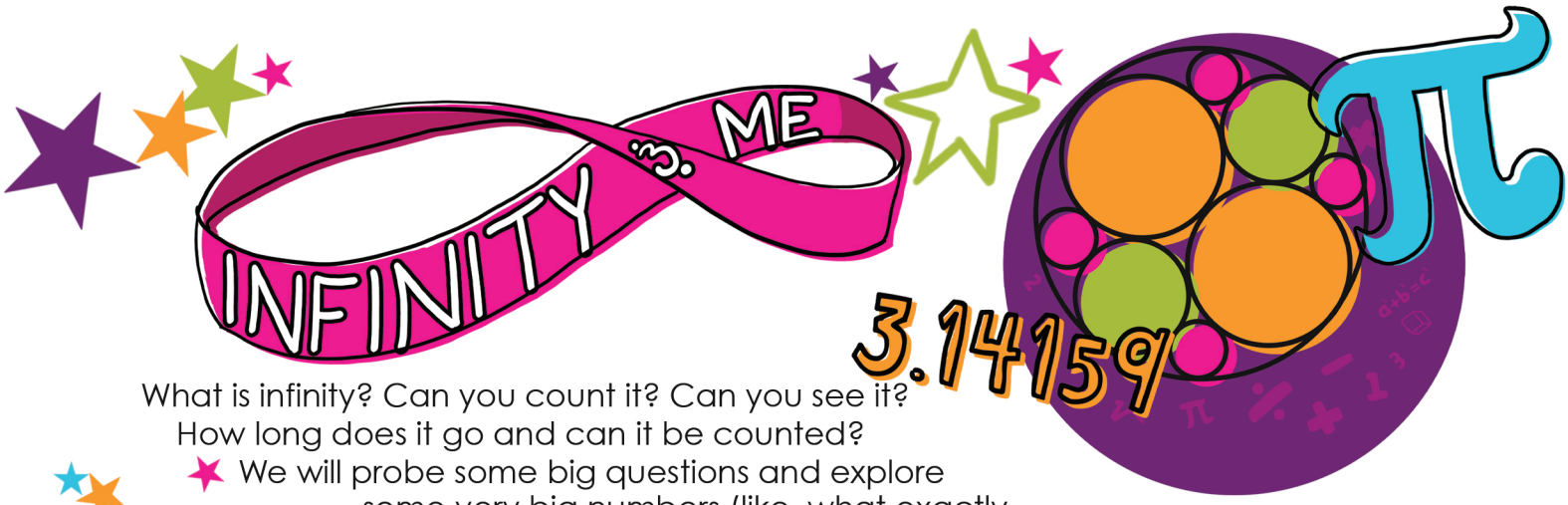

What is infinity? Can you count it? Can you see it? How long does it go and can it be counted? We will probe some big questions and explore some very big numbers (like, what exactly is a googol and how long would it take to count it?) From designing fractal jewelry to making a beautiful pi mandala, this camp will have campers pondering ideas big and small in this awesome week of exploration for infinitely curious girls!

grades 3-5

Our camps for third to fifth graders align with the Common Core State Standards and cover topics and skills introduced and covered in 3rd, 4th, and preview material covered in 5th grade. These camps also give campers opportunities to explore complex mathematical concepts not often included in elementary math curriculum.

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 Infinity & Me:

- Area and Perimeter
- Circumference & diameter of circles and spheres
- Comparing numbers
- Decimals
- Deductive thinking problems
- Doubling and halving numbers
- Exploring Pi
- Exploring the concept of Infinity
- Factors and multiples
- Fractals
- Fractions
- Generating and analyzing patterns (algebraic thinking)
- Halving and Doubling numbers
- Identifying patterns in division
- Identifying patterns in multiplication
- Infinite divisibility
- Logic
- Measuring width and length
- Mobius Strips
- Multi-digit multiplication
- Number Patterns/Fibonacci Sequence
- Place value: millions, billions, trillions
- Strategic Problem Solving
- Topography
- Visual Spatial Problem Solving
- Work with equations involving addition, subtraction, multiplication and division
- Working with fractions

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