seeing is believing/shape of the world think-share-pair-compare
Dr. Sarah's 1010: Introduction to Mathematics

Part A: First read through questions 2–4 below so that you can take notes on them as you watch the Seeing is Believing/Shape of the World video, which is a link in the think-share-pair-compare forum.

Part B: Answer all 4 questions below and type your responses for the think-share-pair-compare forum.

Part C: Respond separately to at least one of your classmates postings in a meaningful way that helps them understand. Try to select classmates who don't already have replies. Use their preferred name (like Dr. Sarah is mine), with something new that justifies your position on (at least) one of the questions. Don't just say, "Yeah, I agree." Instead, say, "Yes preferred name, but we also need to consider..." Or, "Preferred name, I had something different because..." You might pose questions, answer questions, extend ideas, or compare and contrast your responses and summarize what you chose and why.

1. List your preferred name.

2. How do people in the video talk about, explore or represent higher dimensions (analogies, visual representations...)? For instance, Henderson uses x-rays and invisible realities as an analogy. Take notes on as many as you can find. In your post, write down

   2a) the number of items you found (like 7)

   2b) select 1 item to describe that is different than the one above.

3. What are ways that the researchers in the video model and explore the geometry of the universe? For example, Riemann and Einstein used a higher dimensional sphere to model the universe. Take notes on as many as you can find. In your post, write down

   3a) the number of items you found

   3b) select 1 item to describe that is different than the one above.

4. Select <u>one</u> of these to complete:
   4a) Give one example from the video of a connection to the theme of local to global and explain.
       OR
   4b) Give one example from the video of the role of chance/probability and explain.