Courses: SMTE 1351 (and 1350, 3352)– Fundamentals of Mathematics I, II, III

Goal: to design challenges for each unit
  ▶ with engaging activities

Three Activities:
Activity 1: Visualizing Large Numbers
Activity 2: Shopping Sales
Activity 3: Partial Products
Activity 4: Monte Hall Probability
  – 3 door paradox

Benefits for students:
• Engaged and motivated to learn the mathematics b/c
  • Student is placed within the challenge
  • Builds on pre-existing experience or knowledge
  • Fosters anticipation of success
  • Piques their interest to solve the problem

• Active learning capacity is developed

• Application to future teaching:
  Modeling teaching strategies to use in their future classes