1. Analyze

Currently, what is this question asking the student to do?
- Compare place value
- Order numbers least to greatest

Currently, what is the DOK of this problem?
DOK 2: Classifying a number and requiring students to make an informed decision using multiple steps to solve.

2. Determine

Looking Ahead: When will we see a similar concept like this in the future?
- Comparing and ordering decimals
- Where can we provide fewer supports?
- What other questions can we ask about this problem?

3. Construct

How can we implement these questions? (Building the new problem)
- Order the files from least to greatest. Then, describe how you thought up an order for the numbers.
- Now, think of another way to compare the number of files in each album. What makes this way different than the first way you solved this problem?
- After ordering the number of files, which album has the greatest (or most) number of files? Which album has the least (or smallest) number of files?

Susan Dulong Langley, Ph.D.¹, Ashley Y. Carpenter, Ph.D.², Talbot S. Hook¹, Kenneth J. Wright¹, and Del Siegle, Ph.D.¹
University of Connecticut¹ and William & Mary²
FUNDED BY JACOB K. JAVITS GIFTED AND TALENTED STUDENTS EDUCATION PROGRAM, U.S. DEPARTMENT OF EDUCATION PR/AWARD # S206A190028 * NAGC Conference, Indianapolis, IN, November 18, 2022