

Sorting Activity

Lesson Date:

Duration: 15 - 25 minutes

Teacher(s):

Age range: Kindergarten through 8th (adjustable)

Lesson Objectives:

1. Learn new concepts of sorting data/Numbers.
 2. Problem Solving with peers.
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Lesson Materials:

1. Number cards 1-99
 2. Sheets of paper with a 1, 25, 50, 75, 100
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Lesson Introduction:

1. There are many different ways that we can sort numbers.
 - Some quicker than others
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Lesson Activity:

1. Hand out number cards randomly
 - “Don’t show anyone your card till I say go”
2. Let them sort themselves.
3. Divide and Conquer
 - Place a 50 in the middle of the line. If you are higher than 50 go too it's right, if your lower, go to its left
 - Repeat again after placing a 25, 50, and 75 on the floor.
4. Binary Sort
 - Starting with the left side you have to compare cards with your neighbor, the higher number moves right.
 - Repeat until fully sorted

Lesson Conclusion:

1. There are many ways we can sort numbers
 2. Briefly explain why sorting numbers quickly is important
 - The faster we can sort numbers, the more quickly we can analyze the
 - Pull up example of a fun statistics example
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