

## Investigation: Rounding to Help Compare Numbers

The numbers of visitors to the 10 most popular national parks in the United States in 2016 are shown in the table.

10 Most Visited National Parks (2016)		Rounded to nearest 10,000	Rounded to nearest 100,000	Rounded to nearest 1,000,000
Park	Recreational Visits			
1. Great Smoky Mountains NP	11 312 786			
2. Grand Canyon NP	5 969 811			
3. Yosemite NP	5 028 868			
4. Rocky Mountain NP	4 517 585			
5. Zion NP	4 295 127			
6. Yellowstone NP	4 257 177			
7. Olympic NP	3 390 221			
8. Acadia NP	3 303 393			
9. Grand Teton NP	3 270 076			
10. Glacier NP	2 946 681			

- Round the number of visitors to each park to the nearest 10,000, nearest 100,000, and the nearest 1,000,000. Fill in above.
- Which parks that have an equal number of visitors when...
  - ... rounded to 10,000 ?
  - ... rounded to 100,000 ?
  - ... rounded to 1,000,000 ?
- Determine how many times the number of visitors to the most visited park is bigger than the number of visitors to the least visited park. Calculate this using the original figures AND using the figures rounded to 1,000,000. Compare the results.
- How did rounding help you compare visitors in question 3. ?