



# Round 4-Digit Numbers

CA Standards  
NS 1.4, NS 1.0

Use the table to solve.

1. What is the longest-running Broadway show? Rounded to the nearest hundred, how many times was the show performed?

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2. Rounded to the nearest thousand, which shows were performed about 6,000 times?

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3. Which two shows have the same number of performances when rounded to the nearest thousand **and** when rounded to the nearest hundred?

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5. The answer is *four* of the shows. What question about the data in the table could have been asked?

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Longest-Running Broadway Shows*	
Show	Number of Performances
<i>The Phantom of the Opera</i>	7,813
<i>Cats</i>	7,485
<i>Les Misérables</i>	6,680
<i>A Chorus Line</i>	6,137
<i>Oh! Calcutta!</i>	5,959
<i>Beauty and the Beast</i>	5,140
<i>Rent</i>	4,361
<i>Chicago</i>	4,139
<i>Miss Saigon</i>	4,092
<i>The Lion King</i>	3,723

\*as of November, 2006

4. **Reasoning** When rounded to the nearest ten, my number of performances ends in the digits 90. I am not *Miss Saigon*. What show am I?

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6. Suppose you are making a pictogram of the data in the table and you don't want any row to have more than 10 pictures in it. How many performances should each picture represent? How many rows would contain a half-picture?

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