Numbers of stadium seats (grade 4)

Baseball stadiums have different numbers of seats. Drag the tiles to arrange the stadiums from least to greatest number of seats.

San Francisco Giants' stadium: 41,915 seats	Washington Nationals' stadium: 41,888 seats	San Diego Padres' stadium: 42,445 seats

[ ] < [ ] < [ ]

Submit Answer

Write your answer to the following problem in your answer booklet.

San Francisco Giants' stadium: 41,915 seats	Washington Nationals' stadium: 41,888 seats	San Diego Padres' stadium: 42,445 seats

Compare these statements from two students.

> Jeff said, "I get the same number when I round all three numbers of seats in these stadiums."
>
> Sara said, "When I round them, I get the same number for two of the stadiums but a *different* number for the other stadium."

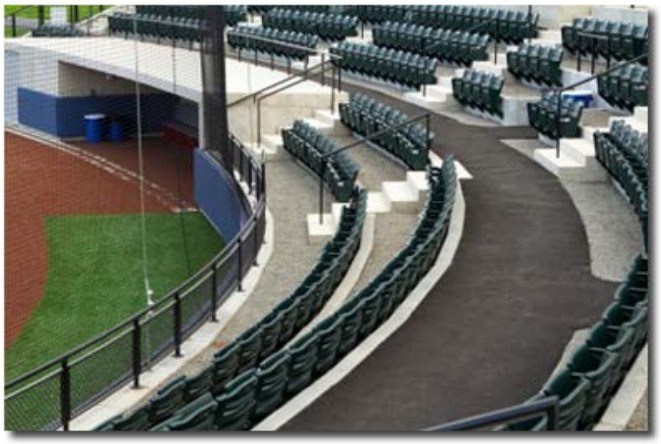
Can Jeff and Sara both be correct? Explain how you know.

Numbers of stadium seats (grade 4)

Write your answer to the following problem in your answer booklet.

When rounded to the nearest hundred, the number of seats in Aces Baseball Stadium is 9,100.

What is the greatest number of seats that could be in this stadium? Explain how you know.



<table>
<tr><th>Part</th><th>Solution</th><th>Points</th><th>Maximum points possible</th></tr>
<tr><td>a</td><td>Student places the building heights in the correct order:
<table><tr><td>Washington Nationals' stadium
41,888 seats</td><td><</td><td>San Francisco Giants' stadium
41,915 seats</td><td><</td><td>San Diego Padres' stadium
42,445 seats</td></tr></table></td><td>1</td><td>1</td></tr>
<tr><td>b</td><td>Student gives a clear and correct explanation such as:
• Yes. Rounding to different place values gives you a different estimate/number.
• Yes. If you round all three numbers to the nearest thousand or ten thousand all three numbers round the same.
• Any other mathematically valid explanation.

Note: If a student answers that either Sara or Jeff were wrong, the student can receive partial credit at most.

(Partial credit: The student's explanation lacks precision, but he or she shows some understanding of rounding—as related to the problem.)</td><td>2

(1)</td><td>2</td></tr>
</table>

c	**Student gives the correct answer**: 9,149 (Partial credit: The student gives a number between 9,101 and 9,148 – inclusive). **Student gives a clear and correct explanation for the answer**: · 9,150 rounds up to 9,200 and 9,149 rounds down to 9,100. Therefore, 9,149 is the largest number that rounds to 9,100 when rounding to the nearest hundred. · 9,149 is the largest number that is closer to 9,100 than any other hundred. · Any other mathematically valid explanation. (Partial credit for explanation: The student's explanation is not accurate or precise, but he or she shows some understanding of rounding—as related to the problem.)	**2** (1) **2** (1)	**4**
	Total points possible	**7**	**7**