What's the Nearest Hundred?

Materials: set of numeral cards (0-9) or 4 number cubes

| 3 | 8 | 8 | 5 |

_____   _____
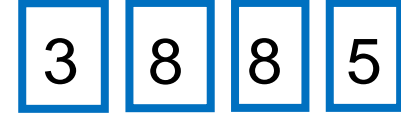
1. Turn over 4 numeral cards (or roll 4 number cubes) to make a 4-digit number.

2. Identify the hundreds that your number falls between. Record the hundreds and the midpoint between them on a number line.

3. Plot your 4-digit number on the number line.

4. Which hundred is your number closer to? Justify your reasoning.

5. Repeat five times.

6. Describe any patterns you find to determine when to round to the lesser hundred or round to the next hundred.

Example:

3,800   3,850   3,885 3,900
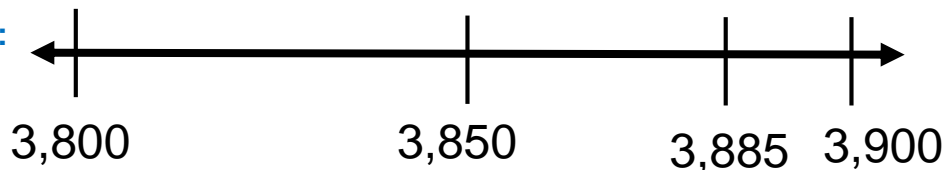
> 3,885 is between 3,800 and 3,900. It is 85 away from 3,800 and 15 away from 3,900. It is closer to 3,900. Therefore, 3,885 rounded to the nearest hundred is 3,900.

___ is between ___ and ___. It is ___ away from ___ and ___ away from ___. It is closer to ___. Therefore, ___ rounded to the nearest hundred is ___.

___ is between ___ and ___. It would be rounded to ___ because .....

___ is between ___ and ___. It is ___ away from ___ and ___ away from ___. It is closer to ___. Therefore, ___ rounded to the nearest hundred is ___.

The hundreds that this number falls between are ___ and ___. It would be rounded to ___ because .....