| **Main Learning Goal and Core Concepts:** The goal of the lesson is to understand how to round numbers. Students will primarily focus on understanding when they need to round numbers and at what position. |
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| **Lesson Brief:** **Rounding** is replacing a number with a value in an estimate form.**Place value** is the value of each digit in a number.**Steps to rounding numbers:**1. Underline what place value the number needs to be rounded.
2. Look at the place value and determine if it needs to be rounded up or down.
	1. 5 or more, raise the score. This means if the value to the right of the number is 5 or greater, you would round the number up by 1 value.
	2. 4 or less, let it rest. This means if the value to the right of the number is 4 or less, then no rounding needs to be done.
3. After rounding, the rest of the values after the place value are 0.

**Example:** **Round the following number to the nearest thousand:**1,5391. **Read the direction on what place value the number needs to be rounded.**

The directions ask to round to the nearest thousand, meaning the thousand place will be looked at. In this case, the 1 in 1,539 is in the thousands place. 1. **Look at the place value and determine if it needs to be rounded up or down.**

To determine if the place value, 1, needs to be rounded up or down, the next number is observed. The number next to the thousands place is 5 in 1,539. The number is 5 which means the 1 in 1,539 should be rounded to 2. **After rounding, the rest of the values after the place value are 0.**The rounded number should be **2,000**. |
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| **Practice Problems:****Round the following numbers to the nearest ten.**1. 804**Answer: 800****Explanation:** 0 is in the tens place so we will underline 0. Then we will observe the next number to see if 0 will be rounded up or down. The next number is 4, however, because it is 4 or less, we will let the zero be. The final answer is 800.2. 298**Answer: 300**3. 171**Answer: 180**4. 735**Answer: 740**5. 180**Answer: 180****Round the following numbers to the nearest hundred.**6. 9,820**Answer: 9,800**7. 8,684**Answer: 8,700**8. 1,083**Answer: 1,100**9. 195**Answer: 200**10. 4,710**Answer: 4,700****Round the following numbers to the nearest thousand.**11. 8,764**Answer: 9,000**12. 160**Answer: 0**13. 4,137**Answer: 4,000**14. 3,941**Answer: 4,000**15. 6,273**Answer: 6,000****Round the following numbers to the nearest ten thousand.**16. 87,211**Answer: 90,000**17. 710, 565**Answer: 710,000**18. 768,194**Answer: 770,000**19. 914,574**Answer: 910,000**20. 15,850**Answer: 20,000** |
| **Notes:*** If the value is 9 and needs to be rounded up, then the value to the left will be rounded up and the rest of the values are 0.
* All the values after the underlined place value become a 0.
* For more information regarding rounding numbers, consider the link [here](https://www.k5learning.com/free-math-worksheets/fourth-grade-4/place-value-rounding).
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