



**Math Lesson 3**  
**Fractions, Decimals II (Grades 4-6)**

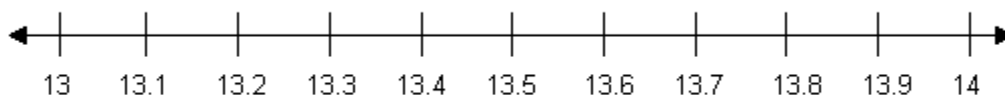
**Instruction 3-1**  
**Round off Decimals**

Rounding off decimals is exactly like rounding off whole numbers. To round to the nearest tenth, you do the same thing as when you round to the nearest to, except you are working with a different place value.

There are two methods you can use to round decimals.

**Method A:** You can use a number line to round decimals.

Round 13.4 to the nearest whole number.



Think, is 13.4 closer to 13 than it is to 14? Check your answer.

Round 13.4 down to 13.

**Method B:** You can also use place-value to round decimals

To round to the nearest number use place-value. Look at the digit in the place to the right of where you want to round. Determine whether the digit is greater than 5 or less than 5. Round appropriately.

1.	Round 27.58 to the nearest tenth.	27.5 <u>8</u>
	Compare the digit to 5. If it is less than 5, round down. If it is more than 5, round up.	8 > 5, round up  27.6
2.	Round 12.534 to the nearest hundredth.	12.53 <u>4</u>
	Compare the digit to 5. If it is less than 5, round down. If it is more than 5, round up.	4 < 5, round down  12.53
3.	Round 93.76 to the nearest whole number.	93. <u>7</u> 6
	Compare the digit to 5. If it is less than 5, round down. If it is more than 5, round up.	7 > 5, round up  94.0