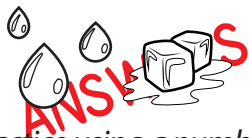Name _____   Date _____

ANSWERS Rounding Decimals

Practice using a number line to round decimals to the nearest whole number, hundredth, and thousandth.

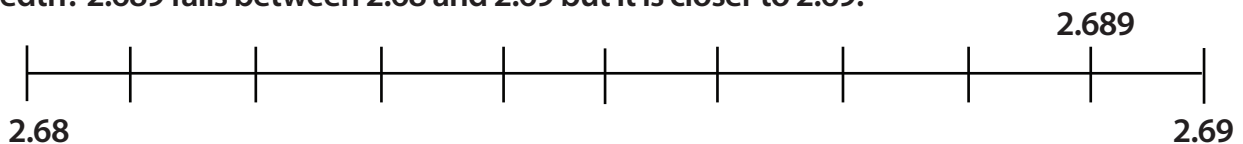**What is 6.3 rounded to the nearest whole? Look at the benchmarks on the number line. Is 6.3 closer to 6 or 7?**

?

6.0   6.5   7.0

It is closer to 6 so 6.3 rounded to the nearest whole number is 6.

1. What is 4.145 rounded to the nearest tenth? _____ **4.1** _____

2. What is 214.21 rounded to the nearest tenth? _____ **214.2** _____

3. What is 9.261 rounded to the nearest tenth? _____ **9.3** _____

4. What is 101.907 rounded to the nearest tenth? _____ **101.9** _____

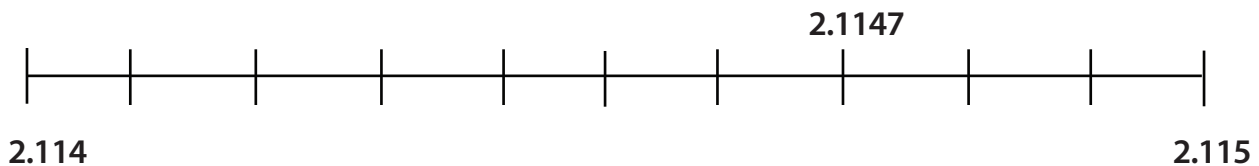5. What is 1.923 rounded to the nearest tenth? _____ **1.9** _____

ANSWERS

Now let's review rounding to the nearest hundredth. What is 2.689 rounded to the nearest hundredth? 2.689 falls between 2.68 and 2.69 but it is closer to 2.69.

2.689

2.68   2.69

6. What is 8.145 rounded to the nearest hundredth? _____ **8.15** _____

7. What is 144.231 rounded to the nearest hundredth? _____ **144.23** _____

8. What is 13.261 rounded to the nearest hundredth? _____ **13.26** _____

9. What is 100.947 rounded to the nearest hundredth? _____ **100.95** _____

10. What is 1.423 rounded to the nearest hundredth? _____ **1.42** _____

Next let's round to the nearest thousandth. Place 2.1147 on a number line between 2.114 and 2.115. You can see that the digit in the ten-thousandths place puts the number closer to 2.115.

2.1147

2.114   2.115

11. What is 7.1454 rounded to the nearest thousandth? _____ **7.145** _____

12. What is 844.2314 rounded to the nearest thousandth? _____ **844.231** _____

13. What is 92.2615 rounded to the nearest thousandth? _____ **92.262** _____

14. What is 40.9476 rounded to the nearest thousandth? _____ **40.948** _____