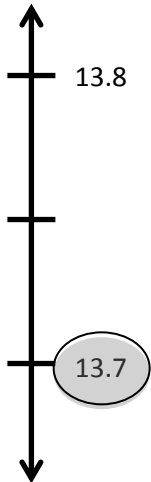


Name _____

Date _____

1. Write the decomposition that helps you, and then round to the given place value. Draw number lines to explain your thinking. Circle the rounded value on each number line.
 - a. Round 32.697 to nearest tenth, hundredth, and whole number.
 - b. Round 141.999 to nearest tenth, hundredth, ten, and hundred.
2. A root beer factory produces 132,554 cases in 100 days. About how many cases does the factory produce in 1 day? Round your answer to the nearest tenth of a case. Show your thinking on the number line.
3. A decimal number has two digits to the right of its decimal point. If we round it to the nearest tenth, the result is 13.7.

- a. What is the maximum possible value of this number? Use words and the number line to explain your reasoning. Include the midpoint on your number line.



- b. What is the minimum possible value of this decimal? Use words and the number line to explain your reasoning. Include the midpoint on your number line.



Name _____

Date _____

1. Round the quantity to the given place value. Draw number lines to explain your thinking. Circle the rounded value on the number line.

a. 13.989 to nearest tenth

b. 382.993 to nearest hundredth

Name _____

Date _____

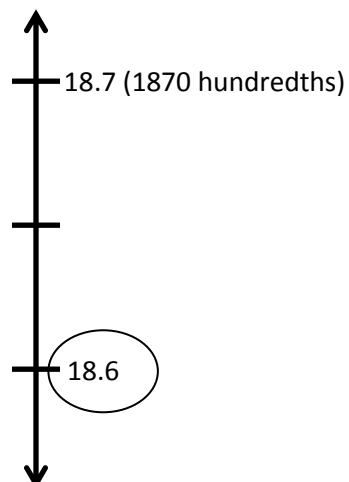
1. Round the quantity to the given place value. Draw number lines to explain your thinking. Circle the rounded value on the number line.
 - a. 43.586 to nearest tenth, hundredth, and whole number

 - b. 243.875 to nearest tenth, hundredth, ten, and hundred

2. A trip from New York City to Seattle is 2,852.1 miles. A family wants to make the drive in 10 days, driving the same number of miles each day. About how many miles will they drive each day? Round your answer to the nearest tenth of a mile.

3. A decimal number has two digits to the right of its decimal point. If we round it to the nearest tenth, the result is 18.6.

- a. What is the maximum possible value of this decimal? Use words and the number line to explain your reasoning.



- b. What is the minimum possible value of this decimal? Use words, numbers and pictures to explain your reasoning.

