

Name _____

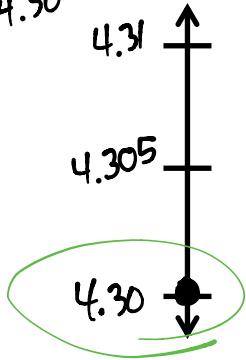
Date _____

Round to the given place value. Label the number lines to show your work. Circle the rounded number. Use a separate sheet to show your decompositions for each one.

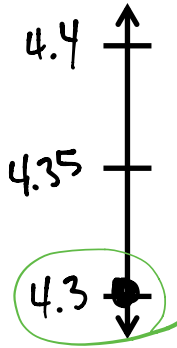
1. 4.3

4.3
= 4.30

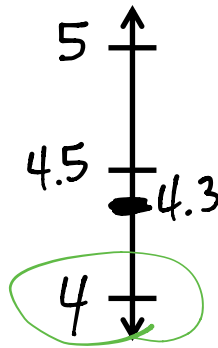
a. hundredths



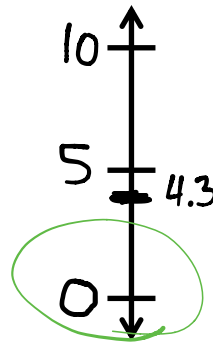
b. tenths



c. ones

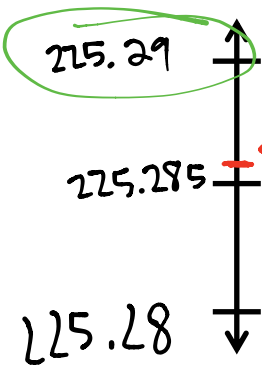


d. tens

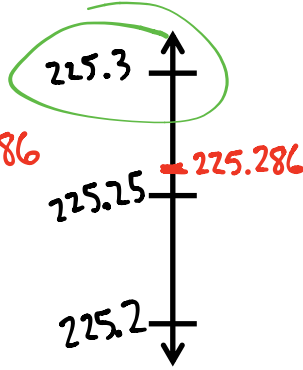


2. 225.286

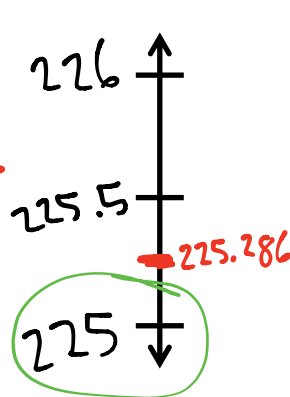
a. hundredths



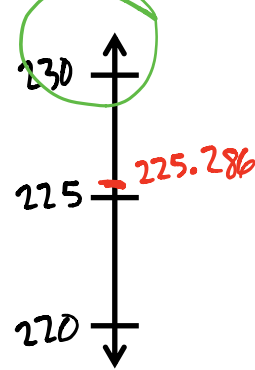
b. tenths



c. ones



d. tens



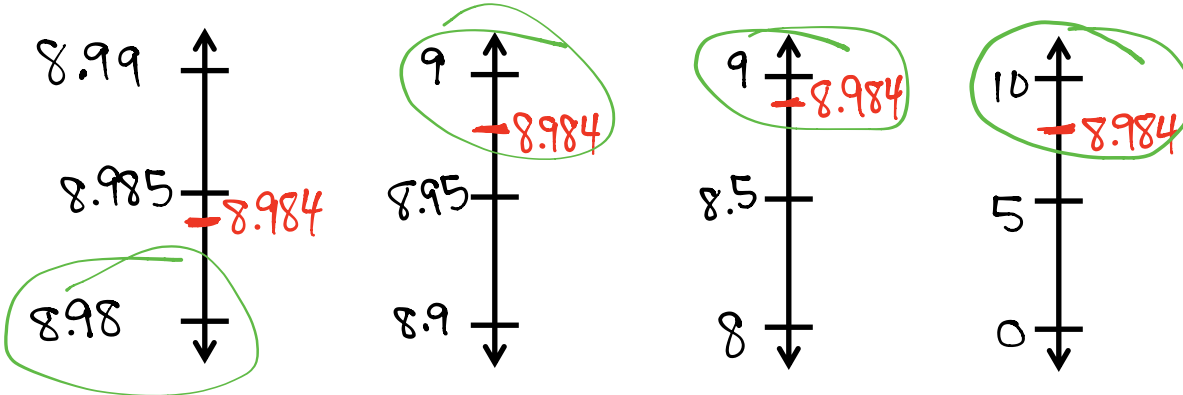
3. 8.984

a. hundredths

b. tenths

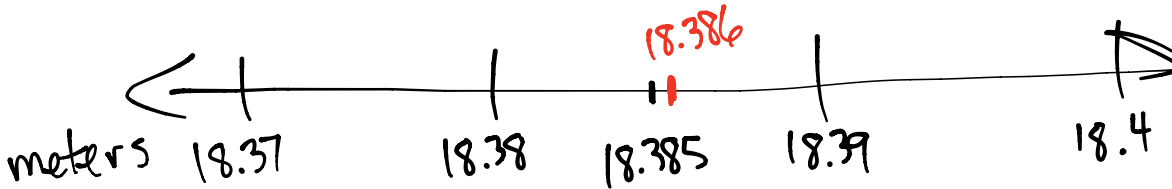
c. ones

d. tens



4. On a major League Baseball diamond, the distance from the pitcher's mound to home plate is 18.386 meters.

a. Round this number to the nearest hundredth of a meter to estimate the distance. Use a number line to show your work.



b. About how many centimeters is it from the pitcher's mound to home plate?

$$18.386 \times 100 = 1838.6 \text{ cm}$$

$$1838.6 \approx \boxed{1839 \text{ cm}}$$

5. Jules reads that one pint is equivalent to 0.473 liters. He asks his teacher how many liters there are in a pint. His teacher responds that there are about 0.47 liters in a pint. He asks his parents, and they say there are about 0.5 liters in a pint. Jules says they are both correct. How can that be true? Explain your answer.

The teacher rounded to the nearest 100th, while parents rounded to 10th.