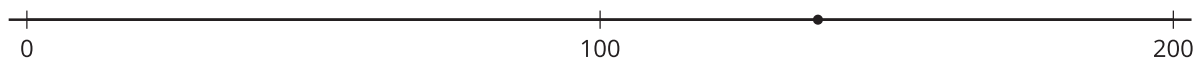# Lesson 14: Nearest Multiples of 10 and 100

- For a given number, let's find the closest multiple of 100 and the closest multiple of 10.

Warm-up: Estimation Exploration: What Number Could this Be?

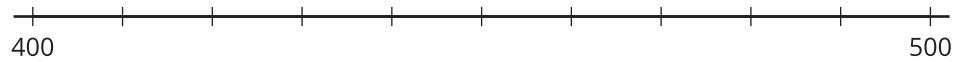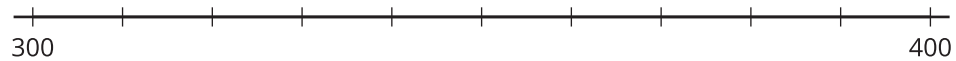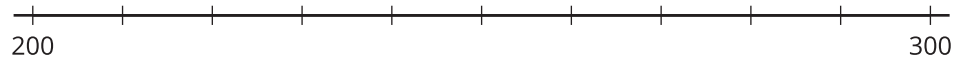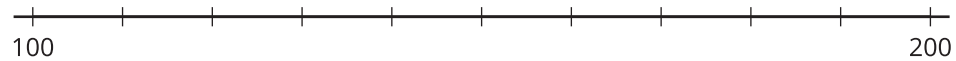What number could the point on the number line represent?

Record an estimate that is:

too low	about right	too high

14.1: Close to Multiples of 10

1.   a. Locate and label each number on a number line.

128   272   436   89   351
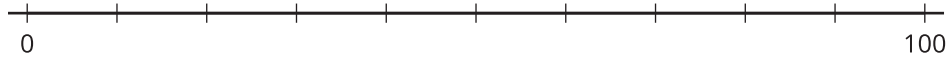
   b. The same numbers are listed in the table. Name the multiple of 100 that is the nearest to each number. (Leave the last column blank for now.)

number	nearest multiple of 100	
128		
272		
436		
89		
351		

2. Look at the point for 128 on the number line.

   a. Name two multiples of 10 that are the closest to 128.

   b. Which of the two is the nearest multiple of 10?

3. Label the last column in the table "nearest multiple of 10." Then, name the nearest multiple of 10 for each number. Use the number lines if you find them helpful.

14.2: The Nearest Multiples

1. a. Is 349 closer to 300 or 400?

    b. Is 349 closer to 340 or 350?

2. a. Is 712 closer to 700 or 800?

    b. Is 712 closer to 710 or 720?

3. a. Is 568 closer to 500 or 600?

    b. Is 568 closer to 560 or 570?

4. Without locating a given number on a number line, how did you decide:

    a. the nearest multiple of 100?

    b. the nearest multiple of 10?

5. Name the nearest multiple of 100 and the nearest multiple of 10 for:

    a. 324

    b. 89