Possible Solution

Explain your thinking using a place value model.

a) How do you know 499 is greater than 500?

Hundreds is the greatest place value, so compare the 4 hundreds to the 5 hundreds. 400 is less than 500, so 499 must be less than 500.

b) How do you know 1,179 is less than 1,177?

Thousands has the greatest place value but the digits are the same, so now compare the hundreds place.
The digits in the hundreds place are the same so now compare the tens place.
The digits in the tens place are the same, so now compare the digits in the ones place.
Compare the digits, 9 to 7. 9 is greater than 7, so 1,179 must be greater than 1,177.

c) How do you know 426, 152, 801 is not in order from the greatest value to least value?

First, look at the hundreds place. Of these numbers, 400, 100, 800, the smallest value is the 100 so 152 should be the last number listed. The greatest value is 800 so 801 should be listed first. 426 should be the second number listed because 400 falls between the values of the other two numbers.

d) Pat and Faye have a problem. Pat thinks 42 tens is less than 390. Faye thinks 42 tens is greater than 390. Who is correct?

Fay is correct because 420 is greater than 390 based on the value of the digits in the hundreds place.