Rounding Very Large Numbers Guided Lesson Explanation
For all of the problems we follow the same steps.

Step #1- Determine the integer at the indicated place value.

Step #2 – Look at the place value to the right of that position. If the integer at that position (to the right) is 5 or greater, round the indicated place value up. Otherwise, leave that place value as is.

Step #3 – Make all of the number to the right of the indicated place value 0.

1) 748,398.12 to the nearest ten-thousands place

7	4	8	,	3	9	8	.	1	2
Hundred-Thousands	Ten-Thousands	Thousands		Hundreds	Tens	Ones		Tenths	Hundredths

The integer (8) to the right of the ten-thousands is greater than 5. This means that we round up. Don't forget to make all the lower places zeroes.

748,398.12 to the nearest ten-thousands place = 750,000.00

2) 48,627,982 to the nearest millions place

4	8	,	6	2	7	,	9	8	2
Ten-Millions	Millions		Hundred-Thousands	Ten-Thousands	Thousands		Hundreds	Tens	Ones

The integer (6) to the right of the millions is greater than 5. This means that we round up the millions place. Don't forget to make all the lower places zeroes.

48,627,982 to the nearest millions place = 49,000,000

3) 587,873,494 to the nearest hundred-thousands place.

5	8	7	,	8	7	3	,	4	9	4
Hundred-Millions	Ten-Millions	Millions		Hundred-Thousands	Ten-Thousands	Thousands		Hundreds	Tens	Ones

The integer (7) to the right of the hundred-thousands is greater than 5. This means that we round up the hundred-thousands place. Don't forget to make all the lower places zeroes.

587,873,494 nearest hundred-thousands place = 587,900,000