From Scientific Notation to Standard Form:

Steps:
1. For a positive exponent – move decimal to the right
2. For a negative exponent – more decimal to the left
3. Fill in holes with zeroes.

1. 3.76×10^5

2. 2.17×10^{-3}

3. 5.214×10^{-4}

4. 7.6×10^3

5. 8×10^2

6. 9.138×10^{-2}

7. 5.71×10^4

8. 3.1654×10^{-3}

<u>From Standard Form to Scientific Notation:</u>

<u>Steps:</u>
1. Only 1 number to the left of the decimal!
2. Count how many times you move the decimal so there's only one number to the left – that will be your exponent
3. If the original number is bigger than one, it's a positive exponent
4. If the original number is less than one, it's a negative exponent

1. 31,000   2. 2,813,000   3. 542,000

4. 0.0312   5. 0.000608   6. 0.03

7. 118,000   8. 0.000000664