

Hint

- First identify if the number is a small number or a large number in order to know if the exponent will be positive or negative.
- When the student moves the decimal to right to convert from a number in standard decimal form to a number in scientific notation, the exponent will be negative.
- When the students moves the decimal to the left to convert from a number in standard decimal form to a number in scientific notation the exponent will be positive.
- Remember only one number can be in front of the decimal point and that number cannot be zero.
- First identify if the power of 10 has a positive or negative exponent. If the exponent is positive, then the resulting number will be a large number. If the exponent is a negative, then the resulting number will be a small number (decimal).
- The exponent determines the place value of the number.