

# **COMPARING MEASUREMENTS USING SCIENTIFIC NOTATION**

## **LEARNING GOAL**

1. I can compare measurements using scientific notation.

# ASSIGNMENT

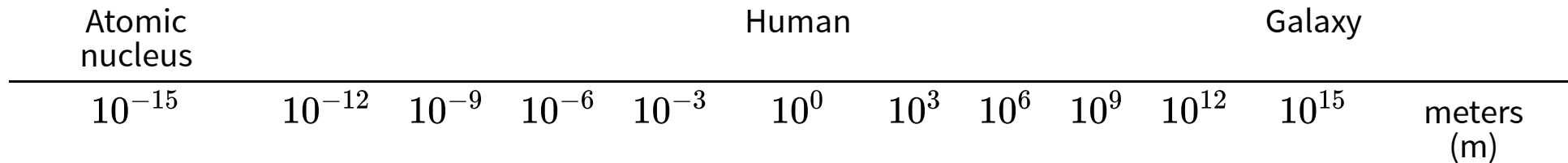
Choose one thing that is very small and one thing that is very small, and compare the two sizes using scientific notation. **Show all of the steps to receive credit!**

Thing one: \_\_\_\_\_

Thing two: \_\_\_\_\_

# DISTANCE SCALE

Mark approximately where the two things you chose fit on the scale.  
(**Note:** If your measurement is not a distance, use the scale on the next slide).



# NON-DISTANCE SCALE

Use this scale if your measurements are not lengths.

Mark approximately where the two things you chose fit on the scale.

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$10^{-15}$     $10^{-12}$     $10^{-9}$     $10^{-6}$     $10^{-3}$     $10^0$     $10^3$     $10^6$     $10^9$     $10^{12}$     $10^{15}$

Use the table to lookup how to write measurements (like km, cm, mm, etc.) using scientific notation.

# COMPARE THE SIZES

In the space below, calculate the ratio of the sizes, and write 1-3 sentences to interpret your ratio.

# PRACTICE WRITING MEASUREMENTS USING SCIENTIFIC NOTATION

Convert each measurements into meters using scientific notation:

35,650 km

124 mm

51 cm

0.051 mm