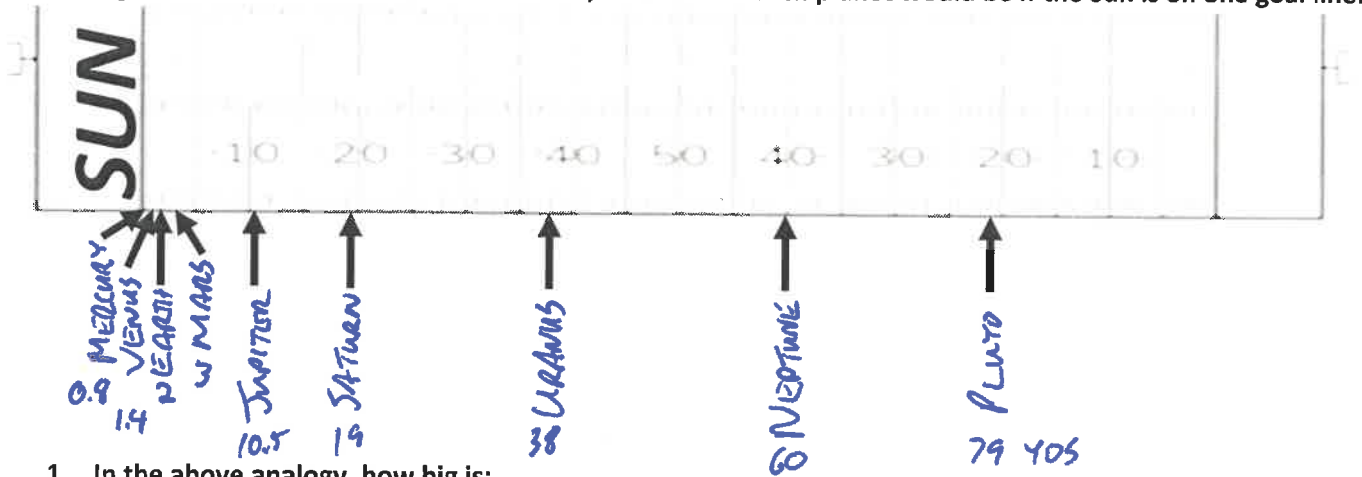


Solar System Map Activity

On the diagram of the football field shown below, fill in where each planet would be if the Sun is on one goal line.



1. In the above analogy, how big is:

- The Sun **DIME**
- Earth **@ WIDTH OF HUMAN HAIR (0.16 mm)**
- Mercury (the smallest planet) **NEEDLE POINT**
- Jupiter (the largest planet) **WIDTH OF A QUARTER (1.75 mm)**

2. What is an Astronomical Unit (AU)?

AVG DISTANCE B/W SUN + EARTH

3. For each solar system object below, record its distance from the Sun in AU's:

- 0.4 - Mercury
 - 0.7 - Venus
 - 1 - Earth
 - 1.5 - Mars
 - 2-4 - Asteroid Belt
 - 5.2 - Jupiter
 - 9.5 - Saturn
 - 19 - Uranus
 - 30 - Neptune
 - 39.5 - Pluto
- Which planet is one and a half times further from the Sun than Earth? **MARS**
 - Which planet is nearly twice as far away from the Sun as Jupiter? **SATURN**
 - Which planet is about 25% closer to the Sun than Earth? **VENUS**
 - Which planet is nearly 20 times farther from the Sun than Earth? **URANUS**
 - Which planet is about 30 times farther from the Sun than Earth? **NEPTUNE**