

Bringing Mathematics Home 7

3.6 x 10⁸

Scientific Notation Activity

Older children

Listed below is the distance in km. of each planet from the Sun. In the table provided, order the planets from closest to farthest from the sun. Then write each distance in scientific notation.

Jupiter	778,300,000	Saturn	1,427,000,000
Uranus	2,870,000,000	Neptune	4,497,000,000
Mercury	57,900,000	Venus	108,200,000
Earth	149,600,000	Mars	227,900,000
Pluto	5,900,000,000		

Planets distance from the sun	Distance in scientific notation

Challenge:

Make a model or picture that shows each planet. Estimate how far apart they are from each other. Write an explanation about how you decided where to put them.