

Deep Space Math

Activity 1 - The Great Space Scale!

Did you know that your weight would change if you moved to Mars? Your weight would be different depending on the planet you are on. Why? Because the pull of gravity determines your weight, and gravity is different on every planet.

For example, if you weigh 100 lbs on earth, you'll weigh 240 lbs on Jupiter, yet only 40 lbs on Mercury! Can you believe it?! Now for the fun part! Your job is to calculate how much you would weigh on each planet in our solar system. Use the chart below to make your calculations. Good luck!

Planet	Equal to One Earth Pound (lb)	Your Weight
Earth	1.0 lb	
Jupiter	2.4 lb	
Saturn	1.1 lb	
Neptune	1.1 lb	
Uranus	0.9 lb	
Mercury	0.4 lb	
Venus	0.9 lb	
Mars	0.4 lb	

Activity Questions:

1. On which planet do you weigh the most?
2. On which planet do you weigh the least?
3. On which planets is your weight identical?

Can you believe THIS is math?