

How High Can You Jump?

EXPLORE ACTIVITY: Students will use the distance they can jump on Earth to calculate the distance they could jump on the Moon and other planets in the solar system.

1. Record the measurement of the distance you can jump on Earth.

2. Calculate how high you could jump on the Moon (you can do this by multiplying your answer in the previous question times 6, or you can use repeated addition).

3. Now, calculate how high you could jump on the following planets:

<u>PLANET</u>	<u>PROCEDURE FOR HEIGHT OF JUMP</u>
Mercury	multiply by 5 then divide by 2=_____
Venus	multiply by 10 then divide by 9=_____
Mars	multiply by 5 then divide by 2=_____
Jupiter	multiply by 2 then divide by 5=_____
Saturn	multiply by 7 then divide by 8=_____
Uranus	multiply by 11 then divide by 12=_____
Neptune	multiply by 5 then divide by 7=_____
Pluto	multiply by 30=_____