Moon Weight

Take a scale and weigh different things in the classroom. Then determine how much those things would weigh on the moon.

How much something weighs is determined by the pull of gravity on that object.

The amount of gravity is different on the Earth and on the moon. On the moon you would weigh only $1/6^{th}$ of what you would weigh on Earth. To find out how much you would weigh on the moon, multiply the amount you weigh by $1/6^{th}$ or by .1667.

Once you know how much you would weigh on the moon, find something that weighs that same amount on Earth.

For example: If you weigh 50 pounds on Earth, you would only weigh just over 8 pounds on the moon! Can you find something that weighs just over 8 pounds? That's how much you would weigh!

Weigh different things around you and figure out how much they would weigh on the moon. Then find something that would weigh the same amount that it would weigh on the moon. Then fill out the chart below.

Item	Earth Weight	Moon Weight	Item With Same Weight