Balance with a see-saw
You need a strong board about 3 m long and a saw horse or box over which the board maybe balanced to make a see-saw or teeter-totter. If possible set this up in the classroom. Select two children of equal weight and place them at either end of the board so that they balance. Measure the distance from the balance point to each child. Next have a heavier child balance himself with a lighter child and observe the changes that have to be made. Next have one child balance two others on the opposite side. Observe the changes. Measure the distance each time from the balance point to the child and multiply the distance by the child's weight.

Note: When two children are on the same side, measure the distance of each from the balance point, multiply by the weight of each child and add the products.