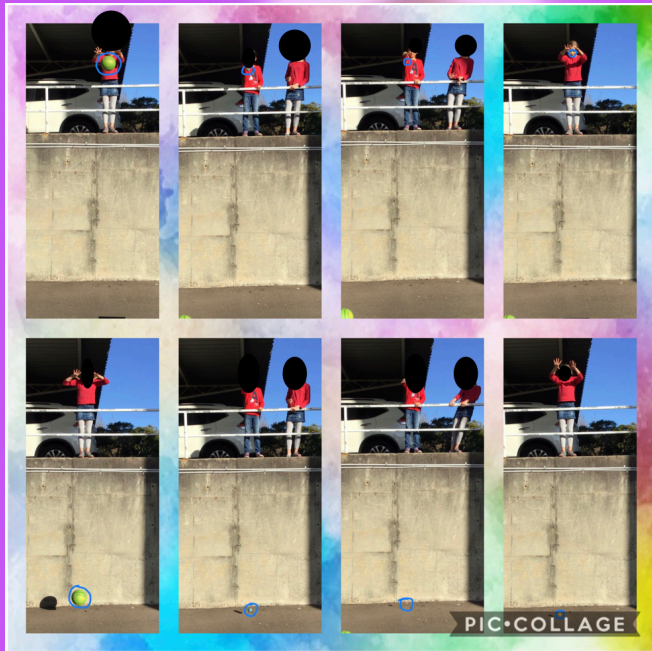


Do heavier objects fall faster than lighter objects from a height?



We want to discover if heavier objects fall faster than lighter objects.

The variable that we will change is the weight of the object.

Hypothesis: If the weight of the object is changed, then the heaviest item will hit the ground first.

For safety reasons we will make sure that no one is below the high place so that no one gets hurt.

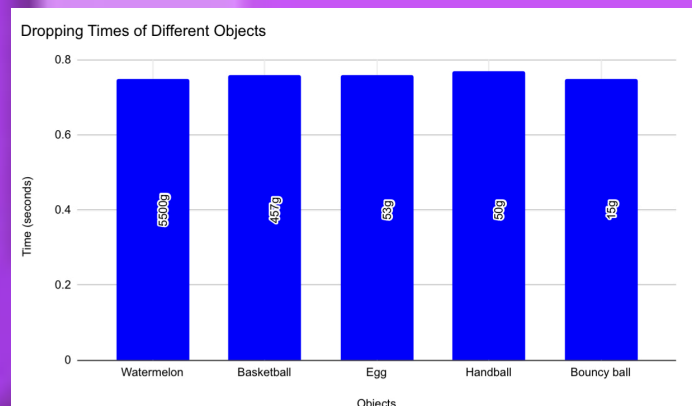
In conclusion our hypothesis was wrong and we learned that the heavier objects fall at the same speed as lighter objects.

Materials:

1. Objects that are different sizes but the same shape
2. A high place to drop them from
3. A device compare the times
4. A person to video the drop from down below



Object	Mass	Time (seconds)
Watermelon	5500g	0.75
Basketball	457g	0.76
Egg	53g	0.76
Handball	50g	0.77
Bouncy ball	15g	0.75



Method

Remember to drop the items 1 by 1 and compare the times using the video

Step 1: weigh the objects

Step 2: bring the equipment to the high place while getting the person to stay down the bottom with the device

Step 3: tell the person down below to start the video

Step 4: count down to the dropping of the item

Step 5: drop the item

Step 6: check the video and compare the fall time of each object

