

The Billiard That Doesn't Belong



On a pool table are 12 balls of identical size. All are of the same weight except one, which is slightly heavier than each of the others, but not enough for you to be able to tell just by holding it.

Your challenge is to locate the one ball that is more dense than the others.

You have been provided with a balance scale and are allowed just three weighings.

Can you find the one ball that does not belong?

Step 1: _____

Step 2: _____

Step 3: _____

