

Puzzle-03.

Condition 1. If we have 8 ball and 7 is same and one is different then we put 3 ball one side and two ball another side. If both are same weight then after we put next two ball then we find one side light weight and another side heavy weight.

Output :-

we find the ball use the scale only two time

Condition 2. If we have 8 ball and 7 is same and another is different then we put 3 ball one side and 3 ball another side. If we find one side light weight and another side heavy weight then we took lighter weight. If then we put the ball one side and if one side weight lighter and one side heavy ball then we find lighter ball. Or if 8 ball are same weight then we find the third ball is lighter.

Output \Rightarrow we find the ball use the scale only two time.