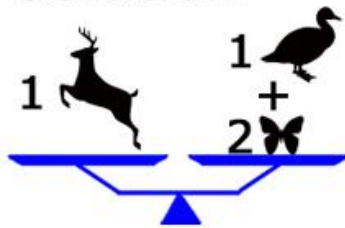
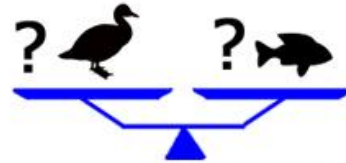




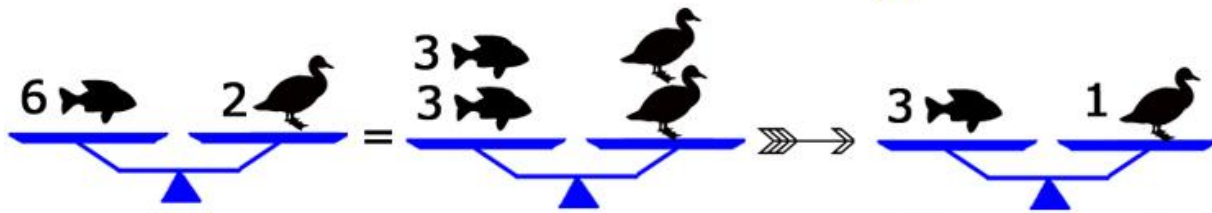
Solution



Question 1



We know that



This answers question 1

