

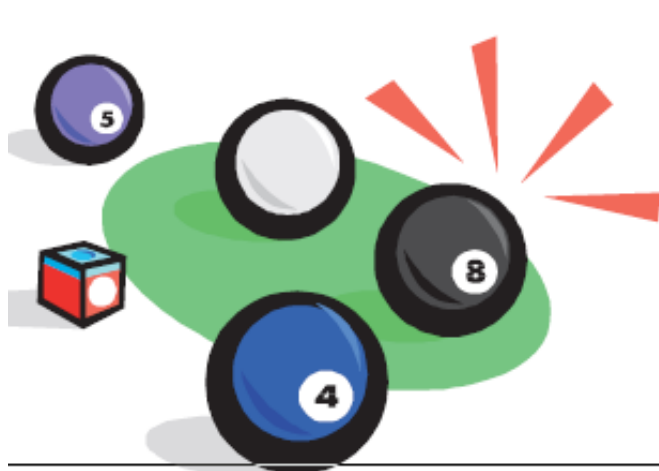
## *Study Skills - Problem Solving*

*LP: To apply critical thinking skills to solve a problem*

*On the next slide there will be a problem or puzzle of some kind, work to try and find a solution.*

*They are all possible so don't give up!*

## Pool Competition



At the youth club Anne, Bill, Cleo and Dennis entered the pool competition. Each person had to play each of the others once.

How many games were played?

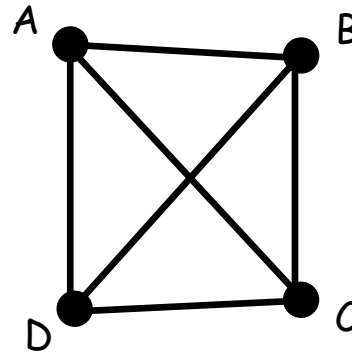
Hint: Draw a diagram to help you map out the games

Extension: How many games would be played if Ernie wants to join in?

Solution:

*6 games need to be played*

Explanation:



This diagram shows each player connected to every other player with six lines which represent the games.

Extension: *Draw a similar diagram if Ernie wants to play.*