

## 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!*

## Playground Dogs



Looking out at the playground  
I saw boys and dogs.  
Counting heads I got 7.  
Counting legs I got 20.  
How many boys and  
how many dogs were there?

Extension: *Is there a way of solving this without just trying numbers?*

Solution:



1 head  
4 legs



1 head  
2 legs

Explanation:

*You can try different numbers of boys and dogs until you get the right amount of legs.*

*However, there is a method to solve problems like this called simultaneous equations. Look them up on mymaths or the internet to find out more.*

ANSWER:

*3 dogs and 4 boys*