

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!

Shake - Sum



Six people are in a room.
Each one shake hands with
every other person.
How many handshakes were there?

*HINT: You could work with other students to find out or draw
a diagram to help.*

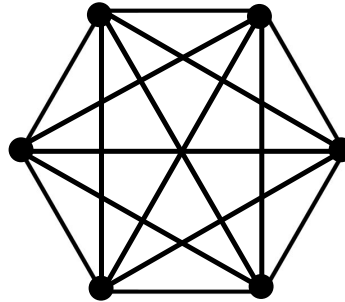
You could start with two people, then three people, then four...

Extension: *What if there were seven, eight, ten or
even twenty people in the room.*

Solution:

The answer is 15

Explanation:



Imagine if each of these dots was a person, join them all up and each line represents a handshake, it will take 15 lines to join them.

Now you can try the extension, the next slide has the answers for different amounts of people.

<i>People</i>	<i>Handshakes</i>
2	1
3	3
4	6
5	10
6	15
7	21
8	28
9	36
10	45

