



# FUN FACT

Fleas can jump over 80 times their own height, the equivalent of a 6 foot tall person jumping over a 480 foot building. If you were a flea, you could jump over the Golden Gate Bridge! See how high you can jump.



# FLEA HIGH JUMP

For this event you will need pillows or cardboard boxes that you can stack on top of each other as high as you can jump! If you are outside use cardboard boxes or plastic buckets.



Fleas jump extraordinary lengths by compressing part of their skeletal structure containing the protein resilin, which acts as a tense spring.

While you definitely won't be compressing part of your skeleton like an amazing flea, you can imagine your whole body as a spring.

Set a cardboard box or a pillow on the floor. One at a time, each contestant jumps over it.

Stack another box or pillow on top of it and take turns jumping again.

Keep jumping until the stack gets so high that a jumper knocks part of or the whole stack over.

Once the stack is knocked over, rebuild the stack and give that jumper another chance to jump it. Keep building the stack higher and higher. Each jumper tries to jump each height. Even if you knocked over the stack before, keep jumping like a springing flea. Build the stack to the height that no one in your group can jump without knocking all or part of it over.

Write down the highest number of boxes or pillows that you cleared on your score sheet.

The person with the largest number wins the gold!

