

Ball Bounce

What You Want to Know

Which ball bounces the highest?



What You Think Will Happen

Order the falling balls from the one you think will bounce the highest to the one you think will bounce the least high.

_____ (highest bounce)

_____ (least bounce)

What Happened

Record the height of the ball after its first bounce on asphalt or cement. The average height is the sum of the three heights for each ball divided by three.

Ball	Height			Average height
Basketball				
Tennis ball				
Golf ball				
Baseball				
Soccer ball				

Record the height of the ball after its first bounce on grass.

Ball	Height			Average height
Basketball				
Tennis ball				
Golf ball				
Baseball				
Soccer ball				

What It Means

What other kind of ball could you try? How high do you think it would bounce on asphalt or cement? On grass? Explain your answers.

