

Cycle 5 Bungee & Skydiving

Rope Jumping

- How do you think the forces will be different:
- a) During the initial fall?
- ☐ Same force as before ☐ More force than before ☐ Less force than before
- b) When the string goes taut?
- ☐ Same force as before ☐ More force than before ☐ Less force than before
- c) At bottom, hanging there.
- ☐ Same force as before ☐ More force than before ☐ Less force than before

Repeat the bungee jump with rope. Sketch the graph from the force meter.

Identify the parts:

a) Dropping.

b) Rope goes taut.

c) At bottom, bouncing up & down.

What was the peak force on the jumper?

What was the jumper's normal weight?

How many g's is that at the peak?

What would you say to someone who wants to try bungee jumping with rope or cable or chain?

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