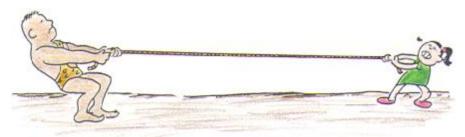
Arnold Strongman and Suzie Small pull on opposite ends of a rope in a tug of war. The greater force exerted on the rope is by

- a) Arnold.
- b) Suzie.
- c)... Both the same.



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Answer: c

Arnold can pull no harder on the rope than Suzie. Rope tension is the same all along the rope, including the ends. Just as a wheel on ice can exert no more force on the ice than the ice exerts on the wheel, and just as one cannot punch an empty paper bag with any

more force than the bag can exert on the puncher. Arnold can exert no more force on his end of the rope than Suzie exerts on her end.

Suzi rope the

Arnold can push harder on the ground than Suzie can, so even though the pulls on the rope are the same, Arnold will likely win the tug of war!

