Name _____ *Metric units of length*

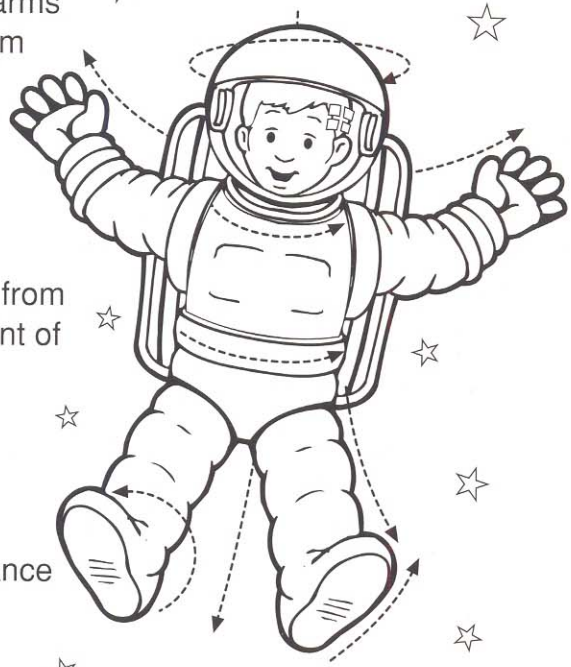
Perfectly Suited for Space

Congratulations! You have been selected to fly on the next space shuttle mission! Before you can depart, NASA needs to make your space suit. To get a good fit, you'll need to supply some body measurements. Working in small groups, first estimate each measurement indicated below to the nearest centimeter. Then use string to measure from one point to another. Compare the string to your measuring strip or ruler to calculate the actual measurements to the nearest centimeter. Finally, determine the difference between the two.

Height—Measure from the top of your head to the floor.
estimate: _____
actual: _____
difference: _____

Hat size—Measure around your head, just above your eyebrows.
estimate: _____
actual: _____
difference: _____

Arm span—Spread your arms out wide and measure from fingertip to fingertip.
estimate: _____
actual: _____
difference: _____



Neck—Measure around the thickest part of your neck.
estimate: _____
actual: _____
difference: _____

Waist to ankle—Measure from your waist to the bony point of your ankle.
estimate: _____
actual: _____
difference: _____

Waist—Measure the smallest part of your waist.
estimate: _____
actual: _____
difference: _____

Ankle—Measure the distance around your ankle.
estimate: _____
actual: _____
difference: _____

Foot length—Measure the longest part of your foot.
estimate: _____
actual: _____
difference: _____

Guess what! Your team members are going on the same space shuttle mission as you are! Work together to calculate the group's mean for the following measurements. When you're done, complete and cut out your space shuttle ticket below. You're ready to fly!

Mean hat size: _____
Mean arm span: _____
Mean foot length: _____
Mean height: _____

Bonus Box: Compute the median, mode, and range of team members' foot lengths.

Metric measurement is a blast! I'm all suited up for a ride on the space shuttle!

Astronaut's name: _____

Blastoff date: _____

Landing date: _____