

Does larger feet mean you can jump further?

Prediction: _____

Control Variable (what will you keep the same) :

Independent Variable (what will you change) :

Dependent Variable (what will you measure) :

Equipment

- Ruler/Tape measure (If you don't have a ruler/tape measure, you could use steps but make sure the **same person** counts the steps: e.g. the child walks the distance the adult has jumped, making sure their heel is always at the toe of the other foot)
- Pencil
- Table to write results on

Method

1. Set the rules—are you going to have a run before you jump? Are you going to jump from a standing position?
2. Each person jumps 3 times. Then work out the average length. To do this, add all 3 measurements together, then divide the answer by 3 on a calculator. (For example: $5.6\text{m} + 4.9\text{m} + 5\text{m} = 15.5\text{m}$ $15.5 \div 3 = 5.16$ (to 2 decimal places). Average = 5.16m)
3. Make sure to record each answer in a table, before writing a conclusion about your findings (did the people with larger feet jump further?)

<u>Feet Size</u> <u>(shoe size)</u>	<u>Jump 1</u>	<u>Jump 2</u>	<u>Jump 3</u>	<u>Average</u> <u>Jump</u>

Conclusion:
