

Measuring Length Challenges

(If you don't have a ruler, use a piece of string or something else you can bend - not a sibling!)

1. Measure some shoes; make a table comparing shoe SIZE (eg size 4, size $5 \frac{1}{2}$) with LENGTH of shoes. Can you predict how long bigger shoes would be?
2. Can you invent a unit to measure things with? Eg the door is 16 'pencils' wide. (Don't pick this one!)
3. How long is a strand of your hair? Place your hair near the first millimetre mark on the ruler. How wide do you think it is?
4. What is the longest pencil line you can draw on a piece of paper?
5. Can you make your own ruler?