



Problem of the Week

Problem A and Solution

The Metric Argument

Problem

Millie, Kai, Mircea and Candice were debating about which metric units they liked the most. Millie thought millimeters were best, Kai loved kilometers, Mircea loved meters, and Candice's favourite was centimeters.

Who should measure each of the following lengths with their favourite unit, if they want to keep each value between 2 and 50, inclusive?

Solution

In order to keep the measurement numbers between 2 and 50, inclusive, here is the completed table, along with an approximate measurement for each:

Length Being Measured	Measurer
The length of an ant	Millie (6 mm)
The length of a bus	Mircea (12 m)
The length of a marathon	Kai (42 km)
The length of an adult foot	Candice (25 cm)
The length of a new pencil	Candice (18 cm)
The length of an olympic swimming pool	Mircea (50 m)
The length of a human baby tooth	Millie (9 mm)