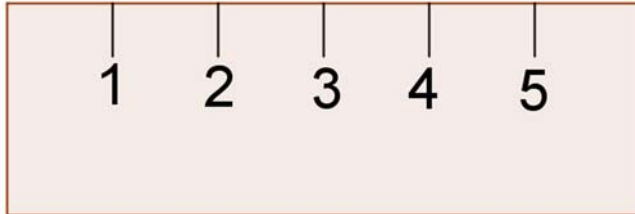


Math Teachers' Circle

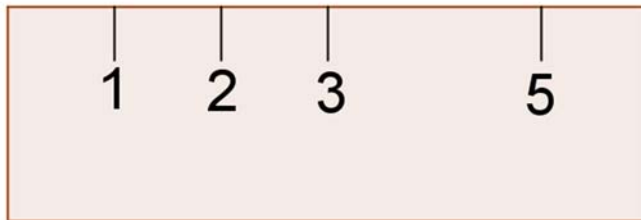
"Perfect Rulers"

Setup:

Imagine a 6-inch ruler, with marks at each inch. You can measure every distance between 0 and 6 inches with that ruler.



What if you remove one of the marks? Can you still measure every distance between 0 and 6?



How many marks can you remove and still measure every distance between 0 and 6?

What other mathematical questions can you ask?

Let's try and answer those questions and come up with more. First, here is a resource.

<http://gadgets.mathplusacademy.com/ruler/ruler.html>