

# Warm-Up: Fuse Timers

Prepared by Mark on January 23, 2025.

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**Problem 1:**

Suppose we have two strings and a lighter. Each string takes an hour to fully burn.

However, we do not know how fast each part of the string burns: half might burn in 1 minute, and the rest could take 59.

How would we measure exactly 45 minutes using these strings?