

THE FLAMING FUNCTION

- Let x be the height of the candle in inches and y the elapsed time in seconds.
- Let the initial value of x be the height of the candle beginning where the candle flattens out.
- Mark the candle at quarter-inch intervals, starting at the top. Stand the candle on a heat-resistant surface. Light the candle.
- Continue burning the candle and recording the time at each indicated mark. Repeat this until the candle burns to the last mark.
- Plot the ordered pairs (x, y) and analyze the data.

[Source: A Guide to K-12 Program Development in Mathematics, State of Connecticut]

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