Why Do We Have Seasons?
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a) Earth's axis tilt

b) The Sun is higher in sky for a few months each year

c) Sunlight is more concentrated at certain times of the year

d) All of the above contribute to the Earth having seasons
Experiment 1

Experiment 2

Experiment 3

Exercise 4

Daylight Hours = \[ \frac{\text{day}}{(\text{day}+\text{night})} \times 24 \text{ hrs} \]

Those are the arc lengths you measured.