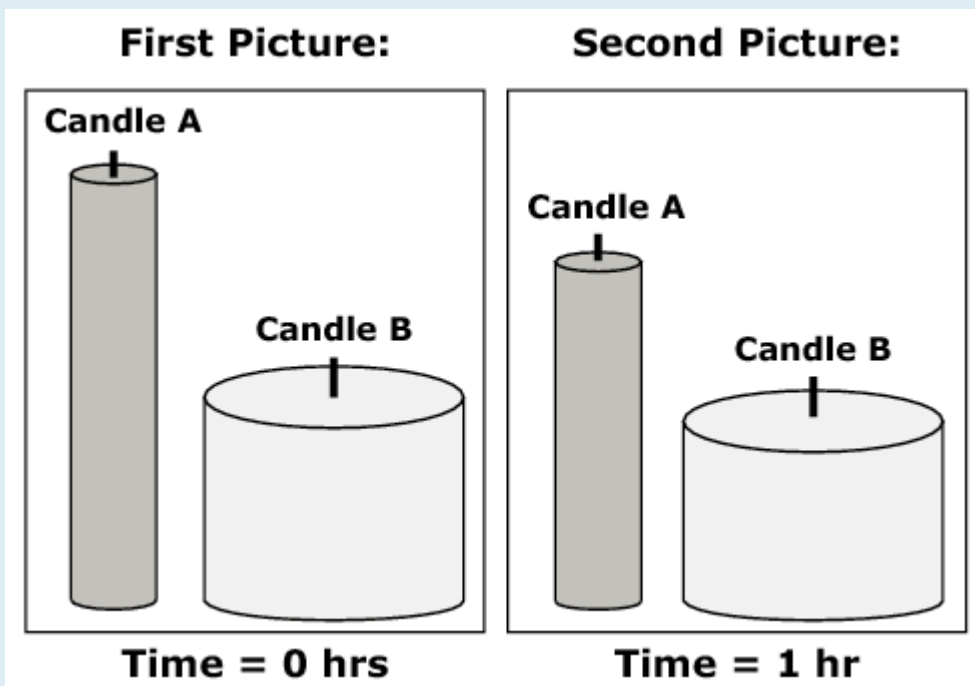| Focus Standards and Claim	Claim 2 6.RP.A.3

Stimulus	**Lights, Candles, Action!**

Your friend Abbie is making a movie. She is filming a fancy dinner scene and she has two types of candles on the table. She wants to determine how long the candles will last.

She takes a picture, lights the candles, and then lets them burn for 1 hour. She then takes a second picture. You can assume that each candle burns at its own constant rate.

First Picture: **Second Picture:**

Candle A   Candle B   Candle A   Candle B

Time = 0 hrs   Time = 1 hr

Candle Type A initial height = 20 cm

Candle Type B initial height = 10 cm

Candle Type A height after burning for 1 hour = 16 cm

Candle Type B height after burning for 1 hour = 9 cm

You will use this information to help Abbie think about the candles she might use for her film.

Item Prompt	Candles A and B are lit at the same time. What will be the height, in cm, of each candle after 3 hours of burning?
	Candle Type A: _____
	Candle Type B: _____

Sample Responses

Sample Response A	Candle Type A: **12**
	Candle Type B: **3**

Sample Response B	Candle Type A: **4**
	Candle Type B: **6**

Sample Response C	Candle Type A: **8**
	Candle Type B: **7**

Sample Response D	Candle Type A: **8**
	Candle Type B: **6**

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Sample Response E

Candle Type A: 9

Candle Type B: 7