POSITION, STROKE AND TIMING WORKSHEET

Name:	Date:
General Directions: For the following exercise use an "	Elementary Timing Model"
1. Using the picture below, write the corresponding let	ter for each of the parts listed
Turnbuckle	Scale
Sliding Plate	Extension Spring
Timing Wheel	Position Indicator
Connecting Rod	Guides
Cam Follower	Tapped Holes
Timing Indicator	Connector Lever
Cam	Input Shaft
Pivot of Connector Lever	Jamb Nut
ELEMENTARY TIMING MODEL PRODUCT OF SCIENTIFIC MANAGEMENT TECHNIQUES INC. E-MAIL SCIBOS@Scientific-Management.com I P K L P M N	H A B C D E F G

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2. Place the Cam Follower in each 5 positions (1-5) record the following data and summarize.

- 1. Record the sliders position at either end of its stroke.
- 2. Calculate the stroke
- 3. Record the timing at the beginning and end of the stroke
- 4. Record the dwell at the
- 5. Summary of what effect changing the Cam followers position and the has on the sliders position, stroke and timing

Cam Follower Position	Slider Position (in.)			Timing (deg.)			
	Start	End	Stroke	Start	End	Dwell	
а							
b							
с							
d							
e							

Summary:



3. Attach the turnbuckle end to each of the 5 positions (1-5), record the following data and summarize

- 1. Record the sliders position at either end of its stroke.
- 2. Calculate the stroke
- 3. Record the timing at the beginning and end of the stroke
- 4. Record the dwell at the
- 5. Summary of what effect changing the Cam followers position and the has on the sliders position, stroke and timing

Turnbuckle Position	Slider Position (in.)			Timing (deg.)			
	Start	End	Stroke	Start	End	Dwell	
1							
2							
3							
4							
5							

Summary:



4. Adjust the turnbuckle to 5 different lengths, record the following data and summarize

- 1. Record the sliders position at either end of its stroke.
- 2. Calculate the stroke
- 3. Record the timing at the beginning and end of the stroke
- 4. Record the dwell at the
- 5. Summary of what effect changing the Cam followers position and the has on the sliders position, stroke and timing

Turnbuckle Length	Slider Position (in.)			Timing (deg.)		
	Start	End	Stroke	Start	End	Dwell

Summary:



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