Observations/Data Tables

SAMPLE DATA

Time for Ball to Roll in Seconds	Trials	Distance A Time to Travel 1 Meter	Distance B Time to Travel 1 Meter	Distance C Time to Travel 2 Meters
		Distance of Roll		
	1	0.56 sec.	0.72 sec.	1.28 sec.
	2	0.52 sec.	0.73 sec.	1.25 sec.
	3	0.55 sec.	0.75 sec.	1.30 sec.
	Average Time	0.54 sec.	0.73 sec.	1.28 sec.

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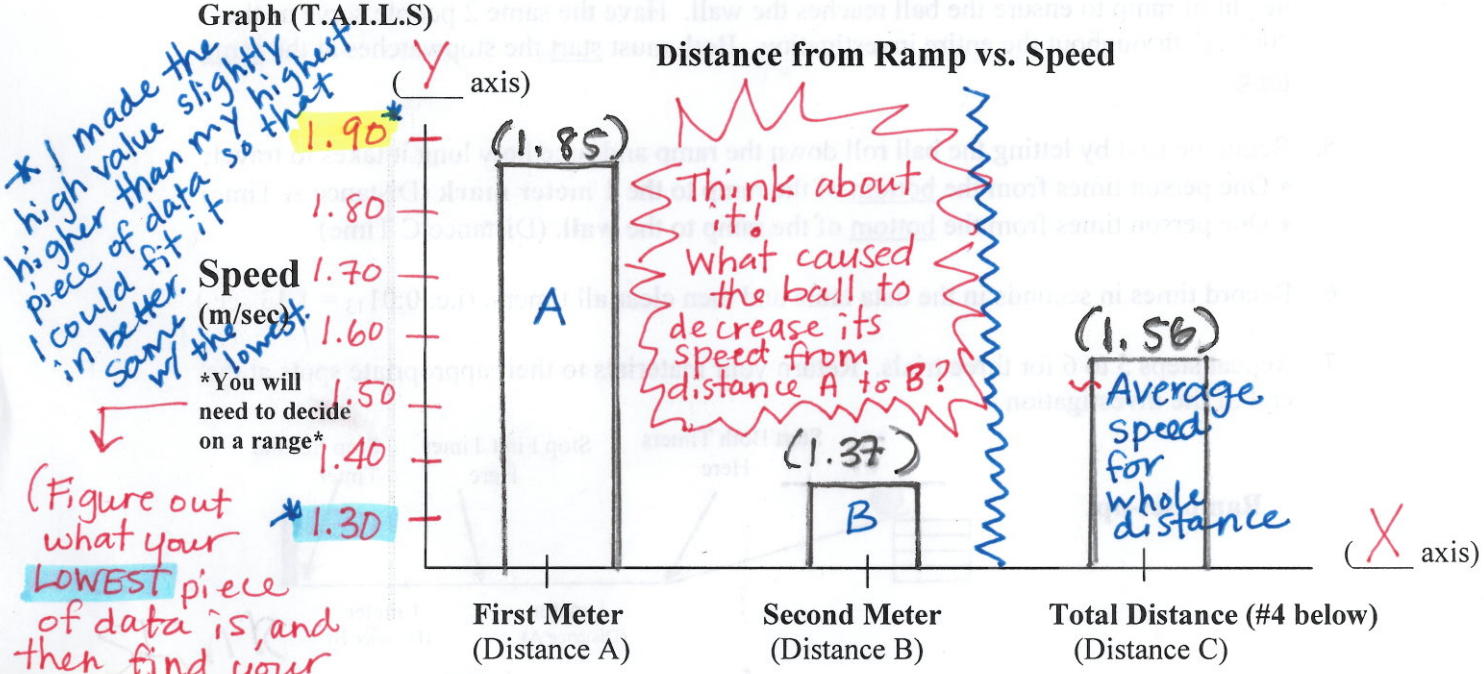
HINT
(Distance C Time) − (Distance A Time) / (Distance B Time)

Speed: Average Speed = $\frac{D}{T}$ = $\frac{\text{Distance}}{\text{Average Time}}$ = (Also written as Distance ÷ Time)

Speed $S = \frac{D}{T}$	Distance A (First Meter)	Distance B (Second Meter)	Distance C (Total Distance)
	$S = \frac{D}{T}$	$S = \frac{D}{T}$	$S = \frac{D}{T}$
	$S = \frac{1 \text{ meter}}{0.54 \text{ sec.}}$	$S = \frac{1 \text{ meter}}{0.73 \text{ sec.}}$	$S = \frac{2 \text{ meters}}{1.28 \text{ sec.}}$
	$S = 1.85$ meters/sec.	$S = 1.37$ meters/sec.	$S = 1.56$ meters/sec.

Graph (T.A.I.L.S)

Distance from Ramp vs. Speed



* I made the high value slightly higher than my highest piece of data so that I could fit it in better. Same w/ the lowest.

You will need to decide on a range

(Figure out what your LOWEST piece of data is, and then find your HIGHEST piece of data. Next, create a range that fits BOTH inside of it.)