You vs Usain B	Solt: the 100m	Sprint.	Name:		
			ime for a sprinter	running a 100m sprint.	
<b>Equipment:</b> Stop <b>Method:</b>	owatch, trundle w	heel, chalk			
Set up 10-metre intervals on a 100m running track. When the starter says "go", the timers start timing and the sprinter run					
towards the finish		iicis start tiiiiiig i	and the sprinter r	GII J	7
The timers stop th		when the sprinte	r runs past them		
				ne that they measure car	n then be recorded.
				ets of data that have the	
available you migh					
A	В	С	D		
Displacement					
(m)	Split Times (s)				
0	Subject 1	Subject 2	Usain Bolt		
0	0	0	0.00		
10			1.85		
20			2.87		
30			3.78		
40			4.65		
50 60			5.50 6.32		
70			7.14		
80			7.14		
90			8.79		
100			9.69		
100			7.07		
Usain Bolt) on or  Q2. How far did (i)	each subject run	in 1 second?		B, C, and D) for your thraction on the x-axis. Draction (iii)	
Q3. How far did each subject run in 2 seconds?  (i) (ii)				(iii)	
(i) (ii) (iii) Q4. How far did each subject run in 3 seconds?					
(i) (ii)				(iii)	
		( )		· /	
Q5. How much time did it take for each subject to run 35 metres?  (ii) (ii) (iii)					
(Note: the answers to Q6. How far did e	each subject run	in the first second	1?		
(i) (ii)				(iii)	
Q7. How far did each subject run in the second second?				(''')	
(i) (ii) Q8. How far did each subject run in the third second?				(iii)	
(i) (ii)				(iii)	
		_			
Q10. How can yo	ou judge a runner	's velocity from a	a Displacement v	rs Time graph?	

Q11. How did the runners' velocities change during their sprints?