

# Usain Bolt - 2008 vs 2012

Name: \_\_\_\_\_

## Beijing 2008

t (s)	x (m)	v (m/s)
0	0	
1	4	
2	11	
3	20	
4	30	
5	42	
6	54	
7	67	
8	79	
9	91	
10	101	

## London 2012

t (s)	x (m)	v (m/s)
0	0	
1	5	
2	12	
3	21	
4	32	
5	43	
6	56	
7	68	
8	81	
9	93	
10	104	

1. How well did Usain maintain a high velocity in 2008 vs 2012?
2. What can you pick out about Usain's performance in 2012 that was better than in 2008? Was there any aspect that was worse?
3. Based on what you see, do you think the showboating starting at the 8 second mark in 2008 lead to a worse performance?

# Usain Bolt vs Asafa Powell

Name: \_\_\_\_\_

## Usain 2008

t (s)	x (m)	v (m/s)
0	0	
1	4	
2	11	
3	20	
4	30	
5	42	
6	54	
7	67	
8	79	
9	91	
10	101	

## Asafa 2005

t (s)	x (m)	v (m/s)
0	0	
1	4	
2	11	
3	20	
4	30	
5	41	
6	53	
7	66	
8	78	
9	90	
10	100	

1. It is said that Usain maintains velocity better than any other runner. How well did Asafa maintain velocity in 2005 compared to Usain in 2008?

2. Was Usain always ahead of Asafa's performance or was there a point when he began to outperform Asafa?

3. If Usain and Asafa had performed this way against one another in the same race, what would the announcing have sounded like?