

Running Record

Amazing Fact

Humans are some of the best long-distance runners on Earth. Standing upright, and the ability to regulate temperature through sweating, keep us near the top of the table.

Challenge

Here are the records for the world's fastest male sprinters of all time.

They are not in order. Write them in order from fastest to slowest:

- 9.79 Maurice Greene
- 9.84 Trayvon Bromell
- 9.58 Usain Bolt
- 9.78 Nesta Carter
- 9.82 Richard Thompson
- 9.72 Asafa Powell
- 9.84 Bruny Surin
- 9.69 Tyson Gay
- 9.80 Steve Mullings
- 9.69 Yohan Blake
- 9.74 Justin Gatlin
- 9.84 Donovan Bailey

Rank	Name	Speed

You could also try to find out:

- which other animals can maintain a good pace for long distances;
- which animal would win a 'nature marathon';
- what exhaustion hunting is;
- what the longest ever continuous run is.



Running Records **Answers**

Rank	Name	Speed
1	Usain Bolt	9.58
2	Tyson Gay	9.69
3	Yohan Blake	9.69
4	Asafa Powell	9.72
5	Justin Gatlin	9.74
6	Nesta Carter	9.78
7	Maurice Greene	9.79
8	Steve Mullings	9.80
9	Richard Thompson	9.82
10	Donovan Bailey	9.84
11	Trayvon Bromell	9.84
12	Bruny Surin	9.84

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Here are the records for the world's fastest male sprinters of all time.

They are not in order. Write them in order from fastest to slowest.

- 9.794 Maurice Greene
- 9.842 Trayvon Bromell
- 9.583 Usain Bolt
- 9.781 Nesta Carter
- 9.824 Richard Thompson
- 9.728 Asafa Powell
- 9.884 Bruny Surin
- 9.695 Tyson Gay
- 9.804 Steve Mullings
- 9.698 Yohan Blake
- 9.744 Justine Gatlin
- 9.840 Donovan Bailey

Rank	Name	Speed

Challenge

1. How much faster did Tyson Gay run than Yohan Blake?
2. How much slower was Richard Thompson's fastest time than Steve Mullings?
3. What is the difference between Bruny Surin and Usain Bolt's fastest times?
4. How much faster does Tyson Gay need to run to **beat** Usain Bolt's record?



Running Record **Answers**

Rank	Name	Speed
1	Usain Bolt	9.583
2	Tyson Gay	9.695
3	Yohan Blake	9.698
4	Asafa Powell	9.728
5	Justin Gatlin	9.744
6	Nesta Carter	9.781
7	Maurice Greene	9.794
8	Steve Mullings	9.804
9	Richard Thompson	9.824
10	Donovan Bailey	9.840
11	Trayvon Bromell	9.842
12	Bruny Surin	9.884

Challenge

- How much faster did Tyson Gay run than Yohan Blake?
Accept: 3 thousandths of a second faster/0.003 of a second faster/ $\frac{3}{1000}$ of a second faster
- How much slower was Richard Thomson's fastest time than Steve Mullings'?
Accept: 2 hundredths of a second slower/0.02 of a second slower/ $\frac{2}{100}$ of a second slower
- What is the difference between Bruny Surin and Usain Bolt's fastest times?
0.301 seconds
- How much faster does Tyson Gay need to run to **beat** Usain Bolt's record?
0.113 of a second faster

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Rank	Name	Speed

Challenge

1. How much faster did Asafa Powell run than Nesta Carter?
2. How much slower was Trayvon Bromell's time than Donovan Bailey?
3. What is the difference between Steve Mullings' fastest time and Usain Bolt's?
4. How much faster does Yohan Blake need to run to **beat** Usain Bolt's record?
5. Who could have shared Bolt's record of 9.583 if they ran 0.211 of a second faster?

Running Record **Answers**

Rank	Name	Speed
1	Usain Bolt	9.583
2	Tyson Gay	9.69
3	Yohan Blake	9.698
4	Asafa Powell	9.728
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Challenge

- How much faster did Asafa Powell run than Nesta Carter?
Accept: 52 thousandths of a second faster/0.052 of a second faster/ $\frac{52}{1000}$ of a second faster
- How much slower was Trayvon Bromell's time than Donovan Bailey?
Accept: 2 thousandths of a second slower/0.002 of a second slower/ $\frac{2}{1000}$ of a second slower
- What is the difference between Steve Mullings' fastest time and Usain Bolt's?
0.217 of a second
- How much faster does Yohan Blake need to run to **beat** Usain Bolt's record?
0.116 of a second faster
- Who could have shared Bolt's record of 9.583 if they ran 0.211 of a second faster?
Maurice Greene