



## Olympic Story Problems

- 1** In the 2012 London Summer Olympics, Jamaican sprinter Usain Bolt ran the 200-meter sprint in 19.32 seconds, coming in first place. The sprinter who came in second, Yohan Blake, finished the race in 19.44 seconds. By how much did Bolt win the race? Show all your work.
- a** The sprinter who came in third, Warren Weir, finished in 19.84 seconds. Did Bolt run the race more or less than a half-second faster than the third place finisher? Show all your work and explain how you can tell.
- 2** In the 2012 London Summer Olympics, Usain Bolt set a new Olympic record when he ran the 100-meter sprint in 9.63 seconds. Is that less than half, exactly half, or more than half as long as it took him to run the 200-meter sprint? Show all your work.