

## Fixing a wobble

The London Millennium Bridge (1) \_\_\_\_\_ not only for its engineering, but for its beauty as well—it (2) \_\_\_\_\_ to resemble a 'blade of light'. However, the completion of the 320-metre-long bridge was not without its difficulties. When the Millennium Bridge opened to the public in June 2000, more than 160,000 pedestrians crossed during the opening weekend. Unfortunately, no one (3) \_\_\_\_\_ what the effect of that much traffic would be. The bridge began to wobble, which means that it moved alarmingly from side to side. As a result, it was closed a few days later.



The problem wasn't the weight of such a large number of pedestrians (which could easily be supported (4) \_\_\_\_\_ the bridge's design), but their movements. When the bridge moved slightly in the wind, all of the walkers moved their feet at the same time to maintain their balance. This added energy to the natural movement of the bridge, making it sway even more.

Studies were carried out and the Millennium Bridge Trust (5) \_\_\_\_\_ money to make alterations to the bridge. After successful walking tests were carried out, the Millennium Bridge was finally safe for public use.

- |                     |                  |                     |                      |
|---------------------|------------------|---------------------|----------------------|
| 1. A. has praised   | B. praised       | C. has been praised | D. has been praising |
| 2. A. was designed  | B. was designing | C. designs          | D. designed          |
| 3. A. had predicted | B. was predicted | C. was predicting   | D. is predicted      |
| 4. A. from          | B. by            | C. for              | D. with              |
| 5. A. raised        | B. raising       | C. was raised       | D. has been raised   |

## The History of WWW

2019 was the 30th anniversary of the World Wide Web, which was (6) \_\_\_\_\_ by Sir Tim Berners-Lee. It all started in the late 1980s, when Berners-Lee was a computer scientist at CERN, a European particle physics laboratory in Geneva. A huge amount of (7) \_\_\_\_\_ is collected there from many different



sources, and back then there was no easy way for researchers around the world to (8) \_\_\_\_\_ and analyse it.

Berners-Lee set to work on solving this problem. The (9) \_\_\_\_\_ came when he created a system of saving and sharing information in files which include connections, or "links" between them.

Berners-Lee insists that he only built on the work of scientists who came before. For one thing, the (10) \_\_\_\_\_ already existed, in the form of computers which could be linked together over the Internet. Nevertheless, Berners-Lee's solution to the problem at CERN ended up becoming the WWW.

- |                  |                 |                 |             |
|------------------|-----------------|-----------------|-------------|
| 6. A. discovered | B. invented     | C. proved       | D. updated  |
| 7. A. data       | B. proof        | C. software     | D. evidence |
| 8. A. explore    | B. improve      | C. access       | D. attach   |
| 9. A. argument   | B. breakthrough | C. development  | D. device   |
| 10. A. hard copy | B. hard drive   | C. memory stick | D. hardware |