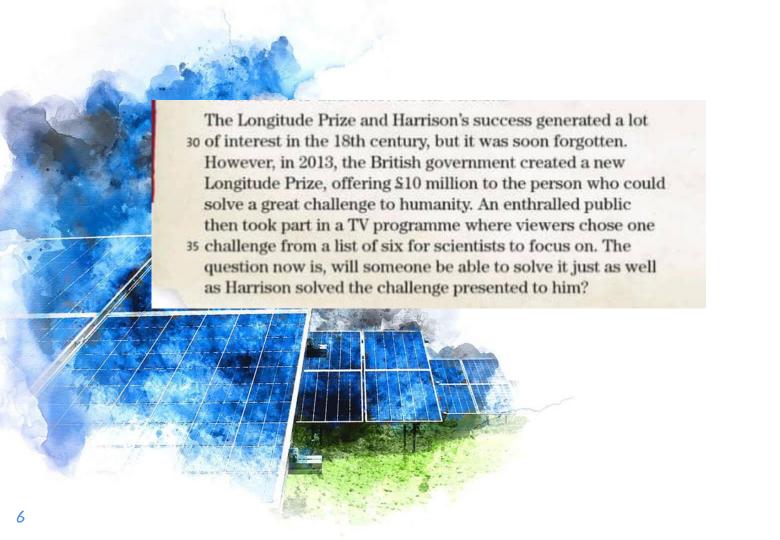
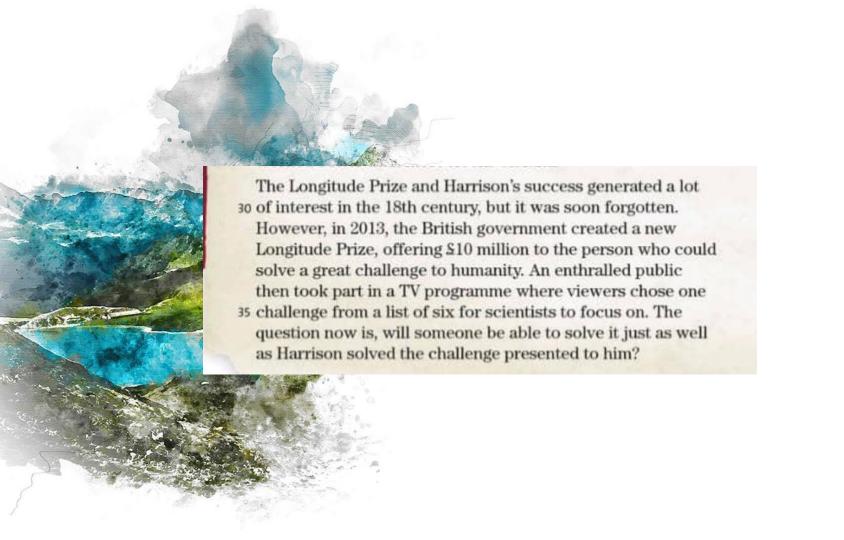




The Longitude Prize was no ordinary competition. To win it, someone had to find a way of calculating how far a ship had travelled east or west from its point of departure. Geniuses such as Sir Isaac Newton had failed to find a solution, so to ensure the interest of Britain's greatest scientific minds, the government offered a prize of \$20,000 – the equivalent of \$2.6 million in today's money. But to everyone's surprise, it wasn't a famous academic who solved the problem, but an unknown carpenter.







- **6** Write questions from the prompts. Use the past simple form of *be* and *can*.
  - 1 swim / four Could you swim when you were four?
  - 2 count to ten in English / seven
  - 3 write your name / three
  - 4 talk/two
  - 5 walk/one
  - 6 ride a bike / six
- 7 SPEAKING Work in pairs. Take turns to ask and answer the questions in exercise 6. (If you don't know the exact ages, just guess!)

Could you swim when you were four?

Yes, I could. / No, I couldn't.



Read the text. What solution did the British government suggest for a problem in the 18th century? Was it successful?

## Read the text again. Answer the questions.

- 1 What was the situation that the British government decided to deal with?
- 2 Why did the government think it was necessary to interest the best scientists in Britain?
- 3 What surprised people about the winner of the Longitude Prize?
- 4 Why didn't sailors use mechanical clocks to calculate their positions?
- 5 Why do you think the successful sea clock was called H4?
- 6 How was the challenge for the new Longitude Prize decided on?





4 SPEAKING Work in pairs. The Longitude Prize is a prize for anyone that can solve one of the problems in the list. Which one would you choose to be the challenge for the new Longitude Prize? Why?

## THE LONGITUDE PRIZE CHALLENGES

**Flight** – How can we fly without damaging the environment?

**Food** – How can we make sure everyone has nutritious, sustainable food?

**Antibiotics** – How can we prevent the rise of resistance to antibiotics?

Paralysis – How can we restore movement to disabled people?

**Water** – How can we provide access to safe and clean water for everyone?

**Dementia** – How can we help people who are losing their memories and other mental abilities?





- 5 Q4.13 Listen to a podcast. Which problem from exercise 4 was chosen as the challenge for the Longitude Prize?
- 6 4.13 Listen again. Choose the correct answers (a–c).
  - On the podcast, they begin by talking about what happened
    - a on a TV programme.b on a podcast.
    - c in a government debate.
  - 2 The prize is being offered to
    - a any scientist.b government scientists.
    - c famous scientists.
  - 3 Dr Kenny uses the example of the warplane to demonstrate that the prize money
    - a is a lot.

**b** is reasonable.

- c isn't so much.
- 4 World health organisations are worried that antibiotics
  - a endanger people's lives. b are less successful.
  - c have become unnecessary.



5 If nobody wins the challenge, in the future, doctors may not be able to

a carry out some types of surgery.

**b** treat patients for certain illnesses.

c work in hospitals.

7 SPEAKING Work in pairs. What important problem in the world would you add to the list in exercise 4?

8 INTERNET RESEARCH Find out if someone has won the Longitude Prize 2014. If they have, who are they? If they haven't, what is the current situation? Share your information with the class.