

Diversity in Mathematics Practice Quiz

1. How did Dr Gladys West contribute to the creation of the GPS? (Select all that apply)
 - a. By developing the navigation screens.
 - b. By analysing satellite altimeter data.**
 - c. By developing a hardware for the first GPS.
 - d. By programming an accurate geopotential model of the earth.**
2. Why is Mary Somerville's recognition as a 'scientist' significant?
 - a. She was able to join the British Science Association.
 - b. She was the first person to publish a scientific book.
 - c. She was the first person to be dubbed a 'scientist' in print.**
 - d. She invented the telescope.
3. What actions did Mary Somerville take later in life to support equality and social justice? (Select all that apply)
 - a. She supported a Parliament petition to grant female suffrage.
 - b. She advocated for abolition of slavery.**
 - c. She only promoted education changes for women but avoided political rights.
 - d. She focused on charitable projects for women.
4. What aspects of NASA's work did Katherine Johnson's calculations influence?
 - a. Design of the spacecraft structure
 - b. Programming of an accurate geopotential model of the earth
 - c. Design and development of satellites images
 - d. Determination of flight trajectories, launch windows, and emergency return paths**
5. Which of these featured in the popular feature film 'Hidden Figures'?
 - a. Mary Somerville
 - b. Katherine Johnson**
 - c. Dr Gladys West
 - d. The ENIAC Six
6. Nira Chamberlain's lecture titled "The Black Heroes of Mathematics" primarily aims to: (Select all that apply)
 - a. Focus on the history behind black role models in mathematicians**
 - b. Highlight the lack of black role models in mathematics**
 - c. Show that anyone can make it to the field**
 - d. Focus on the advanced mathematical theories developed by black role models

7. Which of the following achievements was Nira Chamberlain **not** the recipient of?

- a. OBE for services to mathematics
- b. First Black President of The Mathematical Association
- c. Abel Prize for mathematics
- d. Powerlist's 5th Most Influential Black Person in the UK

8. Aside from his computer science career, Peter Landin was also known for:

- a. Serving on local education committees
- b. **Campaigning for LGBT rights**
- c. Lecturing on ethics and social responsibilities
- d. Supporting civil liberties movements

9. Who were the ENIAC Six?

- a. The six women who programmed the first programming language
- b. The six women who developed early maths models
- c. **The six women who programmed the first modern computer**
- d. The six women who programmed an accurate geopotential model of the earth

10. What does the story of the ENIAC Six primarily highlight?

- a. **It shows how women in STEM overcame gender barriers and made major contributions that were overlooked at the time**
- b. It highlights the teamwork between the ENIAC Six and their male colleagues in creating technological innovations
- c. It focuses mainly on how computer hardware was designed during the World War II
- d. It suggests that achieving the final innovation is more important than recognising diversity in STEM