

### 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