

Mathematics is one of the oldest and most fundamental sciences. The work of mathematicians falls into two broad classes — theoretical (pure) mathematics and applied mathematics.

*Theoretical mathematicians :*

Many theoretical mathematicians are employed as university faculty, and divide their time between teaching and conducting research.

*Applied mathematician:*

Applied mathematicians start with a practical problem and often use computers to analyze relationships among the variables and solve complex problems by developing models with alternative solutions. Statisticians, actuaries, and operations research analysts, are specialists in a particular branch of mathematics.