



Financial Exponents

MODULE 20: LESSON GUIDE

This module delves into the concepts of exponents, square roots, and scientific notation. We provide a comprehensive exploration of these mathematical tools, illustrating their practical applications in financial contexts, by demystifying exponents and analyzing how they contribute to compound growth. The module continues with square roots, unveiling their significance in calculating interest rates, before we venture into the realm of scientific notation to help students interpret large and tiny financial figures.

Time Required:
90-120 minutes

SUPPLIES:

Notebooks
Computers, Phones or Tablets
Internet Access
Projector
Activity Sheets (Optional)

ACTIVITIES & ARTICLES

ACTIVITIES

No Activities Listed

ARTICLES

No Articles Listed

GUIDING QUESTIONS

- How do exponents help in understanding compound interest and its impact on investments over time?
- How can square roots be applied to assess financial risk and volatility in the stock market?
- How is scientific notation used to simplify and understand large financial figures?
- What is the relationship between compound growth and exponential functions?
- How can understanding exponents and scientific notation aid in making more informed financial decisions?
- What are examples where you can apply the concept of square roots in personal financial planning?

ENDURING UNDERSTANDINGS

- Exponents are fundamental in understanding compound interest, enabling students to appreciate how investments grow over time.
- Square roots in finance helps in understanding the variability and risk of investment returns.
- Scientific notation is a valuable tool for managing and interpreting very large or very small financial figures, enhancing clarity in financial analysis.
- Understanding compound growth through exponential functions is crucial in planning for long-term financial goals, such as retirement or education funding.

STANDARDS ALIGNMENT

No Jump\$tart or Council of Economic Education Standards listed.

Common Core Standards Not Yet Updated.