Grade 8 Math TEKS Tree – Readiness Standards

- **8.2(D)** Order
  - Set of rational numbers
    - Mathematical probs.
    - Real-world situations
- **8.3(C)** Use → Explain
  - Representations
    - Algebraic
  - Figures
    - 2-dimensional
    - Coordinate plane
  - Effect
    - Scale factor
      - Positive, rational
      - Center: origin
- **8.4(B)**
  - Graph
    - Relationships
      - Proportional
  - Interpret
    - Unit rate
      - Slope
- **8.4(C)** Use → Determine
  - Data
    - Table
    - Graph
  - Rate of change (slope)
    - Mathematical probs.
    - Real-world situations
  - y-intercept
    - Mathematical probs.
    - Real-world situations
- **8.5(D)**
  - Use
    - Trend line
      - Linear relationships
  - Make
    - Predictions
- **8.5(G)** Identify
  - Functions
    - Ordered pairs
    - Table
    - Mapping
    - Graph
- **8.5(I)** Use → Write → Model
  - Representations
    - Verbal
    - Numerical
    - Tabular
    - Graphical
  - Equations
    - Form: y = mx+ b
  - Linear relationships
- **8.7(A)** Solve
  - Volume problems
    - Cylinders
    - Cones
    - Spheres
- **8.7(B)** Use → Make → Determine
  - Knowledge of surface area
  - Connections
    - Formulas for:
    - Lateral surface area
    - Total surface area
  - Solutions (to L.A./S.A. problems)
    - Rectangular prisms
    - Triangular prisms
    - Cylinders
- **8.7(C)**
  - Use
    - Pythagorean Theorem
    - Converse
  - Solve
    - Problems
- **8.8(C)**
  - Model
    - Equations
      - 1-variable
      - Variable on both sides
      - Rational coefficients
  - Solve
    - Equations
      - 1-variable
      - Variable on both sides
      - Rational coefficients
- **8.10(C)** Use → Explain
  - Representations
    - Algebraic
  - Effect
    - Translations
    - Reflections
      - Over x-axis
      - Over y-axis
    - Rotations
      - 90°
      - 180°
      - 270°
      - 360°
- **8.12(D)**
  - Calculate
    - Interest
      - Simple
      - Compound
  - Compare
    - Earnings
      - Simple interest
      - Compound interest

© 2024 lead4ward.com v. 5.30.24