Grade 7 Math TEKS Tree – Readiness Standards

- **7.3(B)**
  - Use → Addition, Subtraction, Multiplication, Division
  - Solve — Problems
  - Apply — Operations
  - Extend — Operations
- **7.4(A)** — Represent — Rates of change
  - Pictorial
  - Tabular
  - Verbal
  - Numeric
  - Graphical
  - Algebraic (like $d = rt$)
- **7.4(D)** — Solve — Problems
  - Rates
  - Ratios
  - Percents
  - Percent increase
  - Percent decrease
  - Financial literacy
- **7.5(C)** — Solve
  - Mathematical problems
    - Similar shapes
    - Scale drawings
  - Real-world problems
    - Similar shapes
    - Scale drawings
- **7.6(G)**
  - Use — Data
    - Bar graphs
    - Dot plots
    - Circle graphs
  - Solve — Problems
    - Part-to-whole
    - Part-to-part
- **7.6(H)**
  - Solve — Problems — From experiments
  - Use
    - Predictions
      - Qualitative
      - Quantitative
    - Comparisons
      - Qualitative
      - Quantitative
- **7.6(I)**
  - Use
    - Data
    - Sample spaces
  - Determine — Probabilities
    - Theoretical
      - simple/compound events
    - Experimental
      - simple/compound events
- **7.7(A)**
  - Use
    - Verbal descriptions
    - Tables
    - Graphs
    - Equations — Form: $y = mx + b$
  - Represent — Relationships — Linear
- **7.9(A)** — Solve — Volume problems
  - Rectangular prisms
  - Triangular prisms
  - Rectangular pyramids
  - Triangular pyramids
- **7.9(B)** — Determine
  - Circumference
  - Area — Circles
- **7.9(C)** — Determine — Composite area
  - Rectangles
  - Squares
  - Parallelograms
  - Trapezoids
  - Triangles
  - Semi-circles
  - Quarter circles
- **7.11(A)**
  - Model
    - Equations — 1 variable, 2-step
    - Inequalities — 1 variable, 2-step
  - Solve
    - Equations — 1 variable, 2-step
    - Inequalities — 1 variable, 2-step
- **7.12(A)**
  - Compare — Data
    - Dot plots
    - Box plots
  - Compare — Data
    - Center
    - Shape
    - Spread

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