

7th Grade - Unit 7

Mini Topics

Unit 7: Circles and Composite Figures - (13 Days)

TEKS: 7.1A – 7.1G, 7.4E, 7.5B, 7.8C, 7.9B , 7.9C

Convert between measurement systems from customary to metric and metric to customary

Solution strategies can include dimensional analysis, using unit rates, scale factor between ratios, proportions and conversion graphs

Use models to determine the approximate formula for circumference and area of circles

Use relationships from models to connect formulas for the circumference and area of circles

Apply formulas involving circumference and area of circles

Apply formulas for areas of rectangles, parallelograms, trapezoids, and triangles to solve problems involving composite figures

Use formulas for the circumference and area of circles to solve problems involving composite figures

Use formulas involving areas of rectangles, parallelograms, trapezoids and triangles

Solve problems involving areas of composite figures that consist of rectangles, triangles, parallelograms, squares, quarter circles, semi circles and trapezoids