7.SS Shape & Space

* **7 Use direct and indirect measurement to solve problems**
  + **7.SS1 Demonstrate an understanding of circles by:**
    - **7.SS1.a describing the relationships among radius, diameter and circumference of circles**
      * [Parts of a circle (7-W.15)](https://ca.ixl.com/math/grade-7/parts-of-a-circle)
    - **7.SS1.b relating circumference to pi**
      * [Circles: calculate area, circumference, radius and diameter (7-AA.7)](https://ca.ixl.com/math/grade-7/circles-calculate-area-circumference-radius-and-diameter)
      * [Circles: word problems (7-AA.8)](https://ca.ixl.com/math/grade-7/circles-word-problems)
    - **7.SS1.c determining the sum of the central angles**
    - **7.SS1.d constructing circles with a given radius or diameter**
    - **7.SS1.e solving problems involving the radii, diameters and circumferences of circles.**
      * [Circles: word problems (7-AA.8)](https://ca.ixl.com/math/grade-7/circles-word-problems)
      * [Semicircles: calculate area, perimeter, radius and diameter (7-AA.9)](https://ca.ixl.com/math/grade-7/semicircles-calculate-area-perimeter-radius-and-diameter)
      * [Quarter circles: calculate area, perimeter and radius (7-AA.10)](https://ca.ixl.com/math/grade-7/quarter-circles-calculate-area-perimeter-and-radius)
  + **7.SS2 Develop and apply a formula for determining the area of:**
    - **7.SS2.a triangles**
      * [Area of triangles (6-CC.3)](https://ca.ixl.com/math/grade-6/area-of-triangles)
    - **7.SS2.b parallelograms**
      * [Area of rectangles and parallelograms (7-AA.2)](https://ca.ixl.com/math/grade-7/area-of-rectangles-and-parallelograms)
    - **7.SS2.c circles.**
      * [Circles: calculate area, circumference, radius and diameter (7-AA.7)](https://ca.ixl.com/math/grade-7/circles-calculate-area-circumference-radius-and-diameter)
      * [Circles: word problems (7-AA.8)](https://ca.ixl.com/math/grade-7/circles-word-problems)

**7.SP3 Construct, label and interpret circle graphs to solve problems.**

* + - [Interpret circle graphs (7-BB.10)](https://ca.ixl.com/math/grade-7/interpret-circle-graphs)
    - [Circle graphs and central angles (7-BB.11)](https://ca.ixl.com/math/grade-7/circle-graphs-and-central-angles)