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| **Areas of circles and sectors** | | |
| **L**iteracy – Write the definition of each word. Draw two examples and one non-example.  Radius  Diameter  Sector | **R**esearch  http://www.incois.gov.in/Tutor/science+society/lectures/illustrations/lecture8/pythag.jpg“What did the Greeks think of circles?” | **M**emory - Write down the formulae for:  Area of a circle  Area of a sector |
| **S**kills  For each of the circles, semi circles, sectors and shaded parts below find their area.  Round your answers to 1 decimal place.      5cm  12cm  73°  103°  8.5cm  28m  15m  8cm  3cm  12cm  7cm | | **S**tretch  A circle has a radius 6cm with centre O. A and B are points on the circumference such that angle AOB is 30°. Show that the area of sector AOB is exactly .  Find the size of the  angle, , if the  sector area is  7cm m  10.7cm²    Find the length of  the radius, r, if the  sector area is 32cm²  58°  r |