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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 DiameterSector  | **R**esearchhttp://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 circleArea of a sector |
| **S**killsFor each of the circles, semi circles, sectors and shaded parts below find their area. Round your answers to 1 decimal place. 5cm12cm73°103°8.5cm28m15m8cm3cm12cm7cm | **S**tretchA 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 $3π$. Find the size of the  angle, $θ$, if the sector area is $$θ$$7cm m 10.7cm²  Find the length of  the radius, r, if the  sector area is 32cm²58°r  |