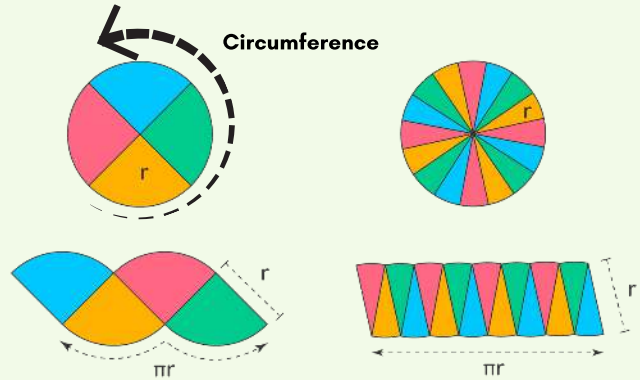


Area of Circle

- The Circumference of a circle is the distance about it. The area is the space inside the circle.
- We can use the circumference and our knowledge of quadrilaterals to find the area of circle.
- We can separate circle in half and than put it back together to form a parallelogram as shown in fig.
- A parallelogram with
base = $1/2$ Circumference
Height = Radius



What dose all this mesns?

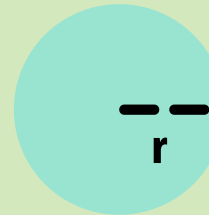
Area of parallelogram = Area of circle
 Area of parallelogram = base x height
 Area of circle = $1/2$ circumference x radius
 $= 1/2 (2 \pi r) \times \text{radius}$



Circumference = $2\pi r$
 $\pi = 3.141592653589\dots$

$\pi = 3.14$

circle
 $A = \pi r^2$



Find the area of each circle.

