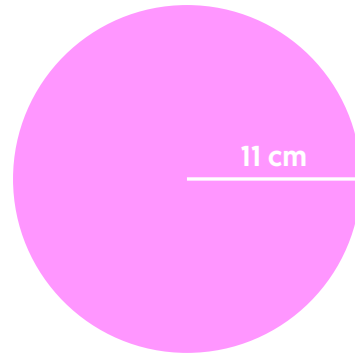


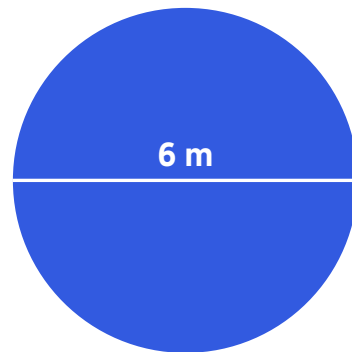
Area and circumference of a circle in terms of π

Worksheet

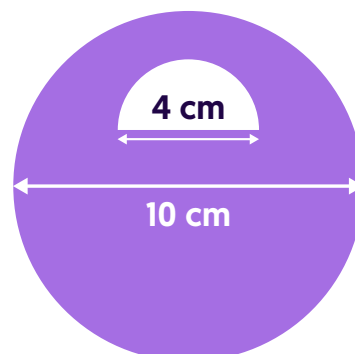
1. Find the area of this circle, leaving your answer in terms of π



2. Calculate the circumference of the same circle, leaving your answer in terms of π
3. Calculate the area and circumference of this circle, leaving your answer in terms of π



4. Calculate the shaded area. Leave your answer in terms of π



Challenge

5. This semi-circle has a diameter of 20 cm. Show that the perimeter of this semi-circle is $10(\pi + 2)$ cm

