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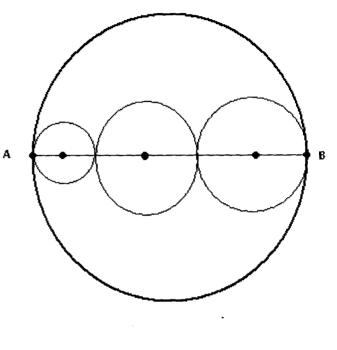
## **Math Worksheet: Geometry Problem (4)**

1. 3 circles tangent to each other and to a larger circle, have their centers on the diameter AB of the larger circle. The larger circle has a radius of 3 cm, what is the sum of the perimeters of the 3 small circles?

let d, dz and d3 be the diameters of the Smaller Circles. The sum S of Heir perimeters is:

$$S = \Pi d_1 + \Pi d_2 + \Pi d_3$$

$$= \Pi \left( d_1 + d_2 + d_3 \right)$$



Since the circles have their centers on the diameter of the large circle then dithe then dithe that the difference of the large circle then

hence S= BT cm.

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