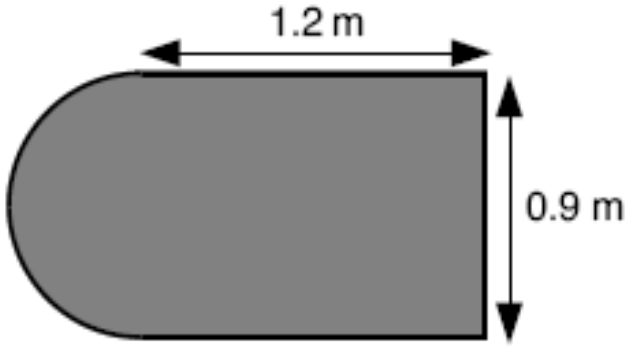
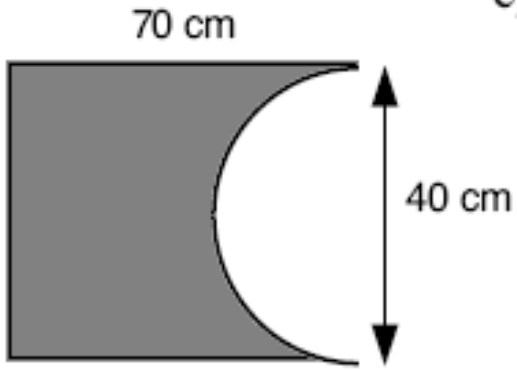
For each shape find the area and the perimeter.

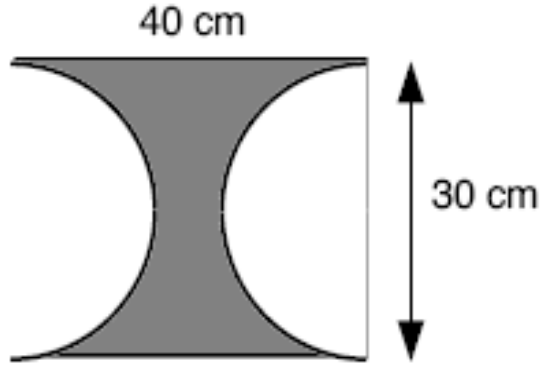
a).



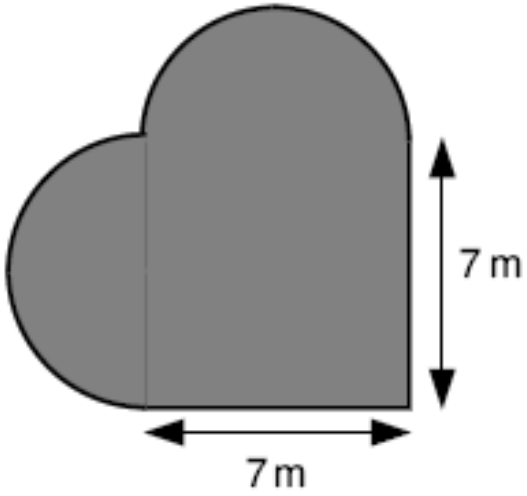
b).



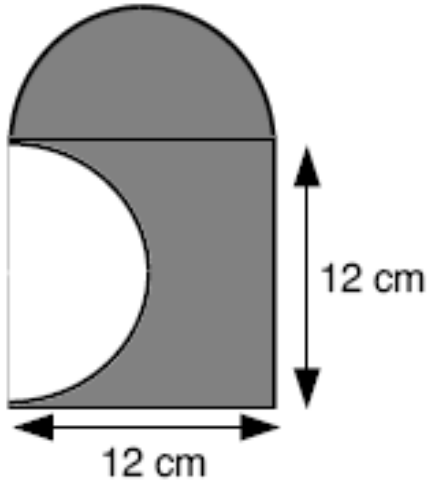
c).



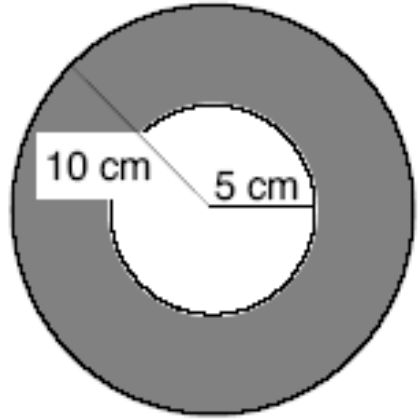
d).

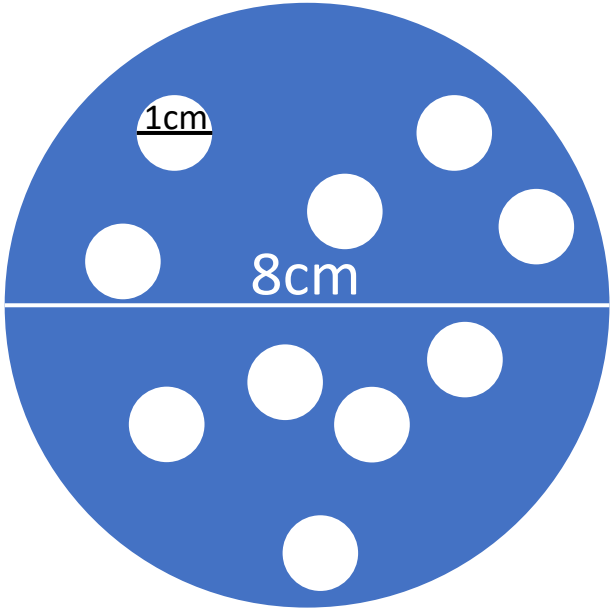


e).

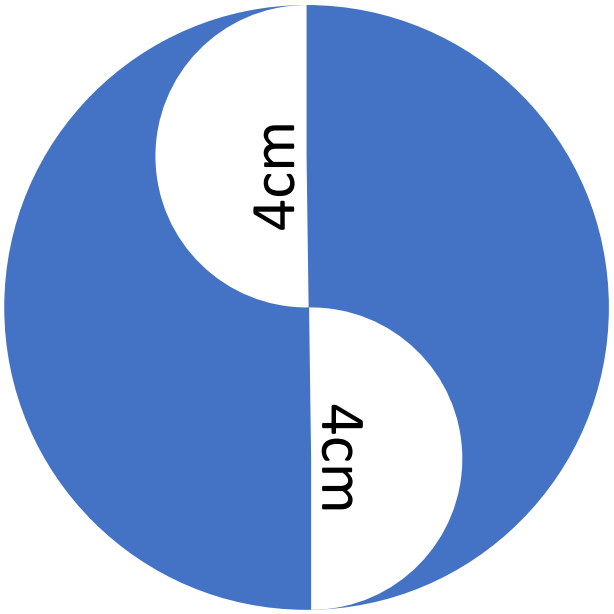


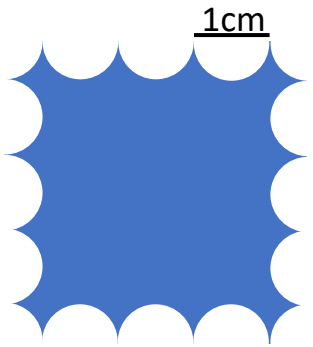
f).

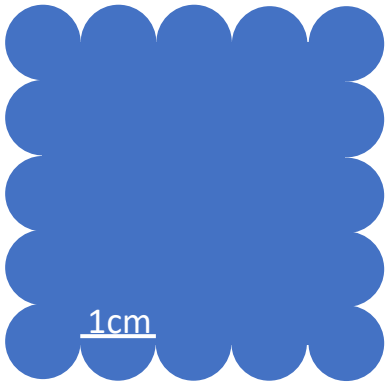


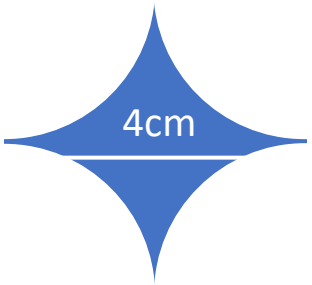


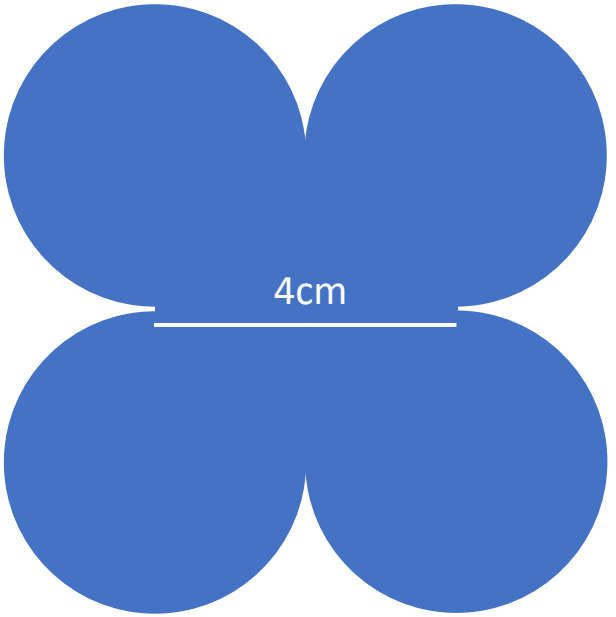
How many small circles could we fit into the large circle?

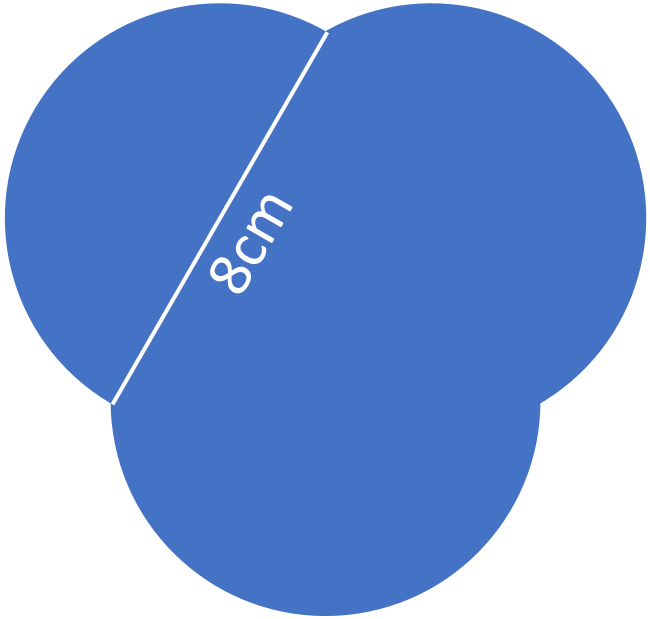


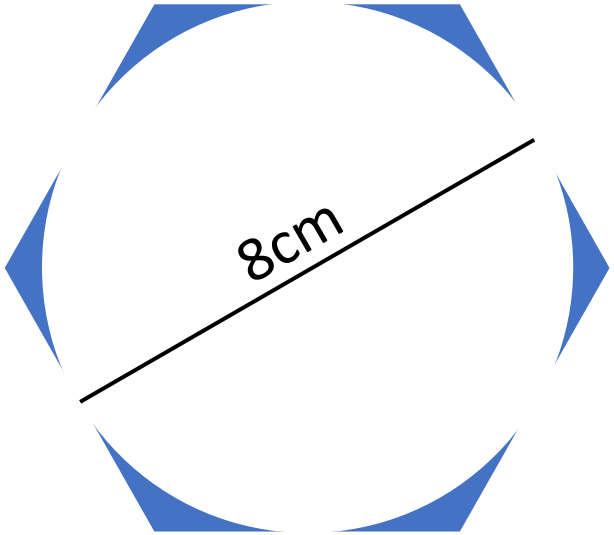


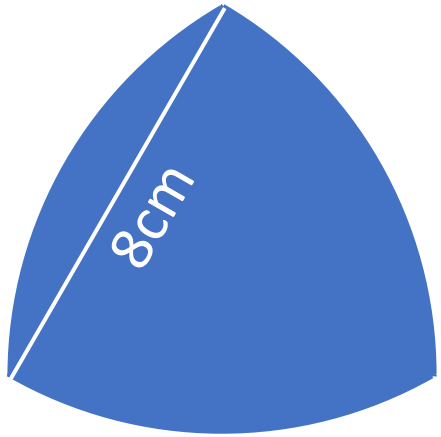




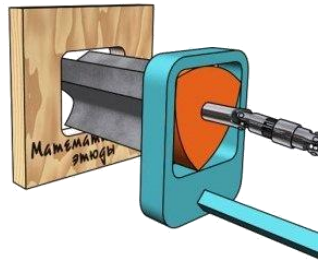


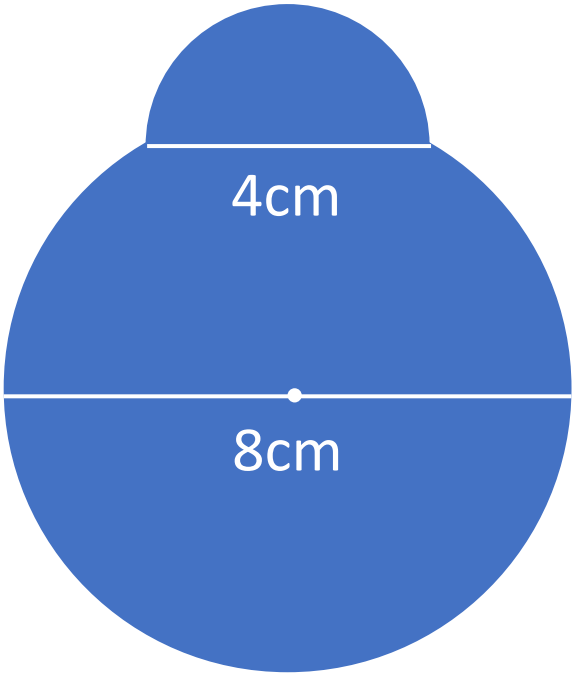


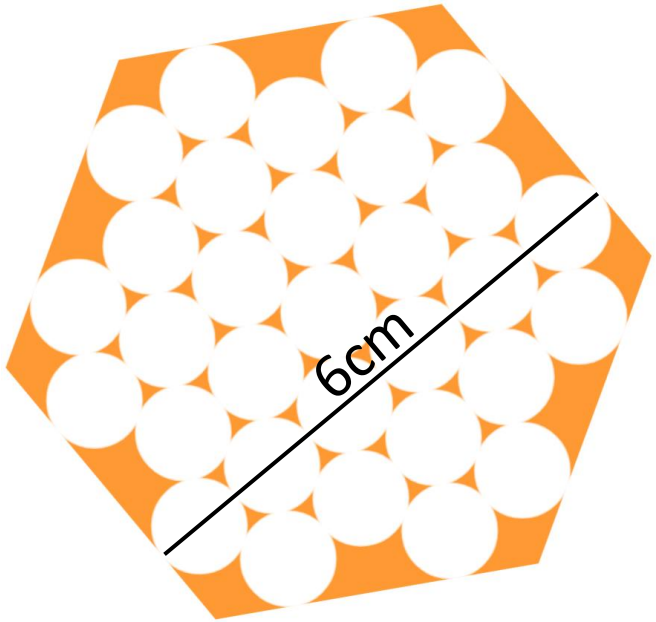




This is a Reuleaux triangle



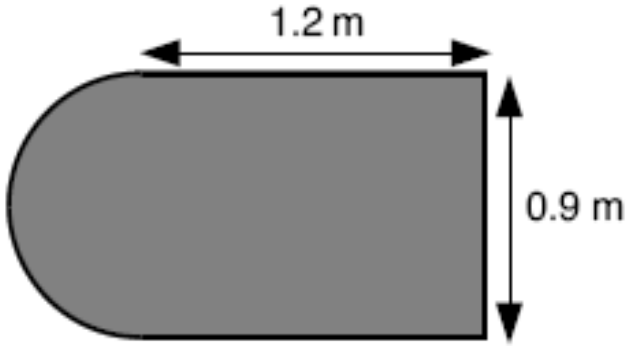




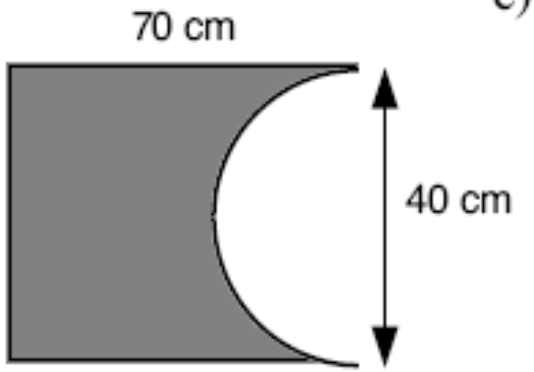
Diameter = 27.5mm

For each shape find the area and the perimeter - answers

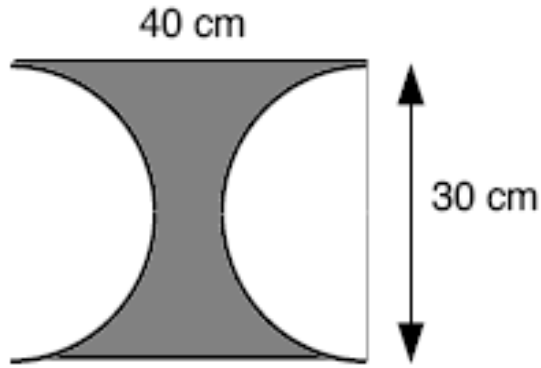
a).



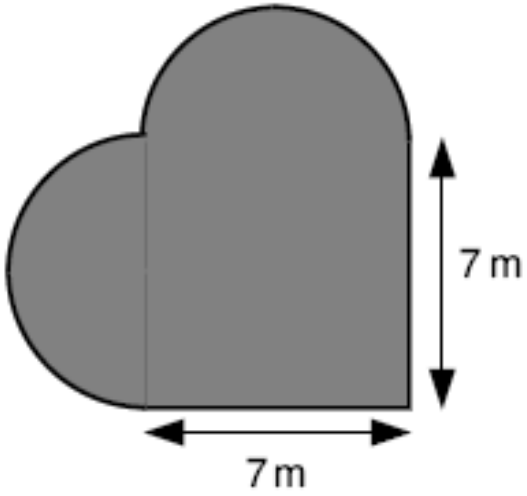
b).



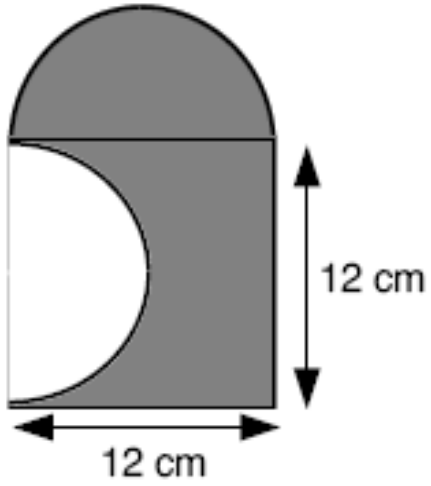
c).



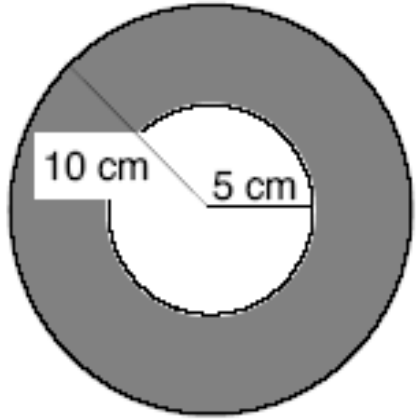
d).



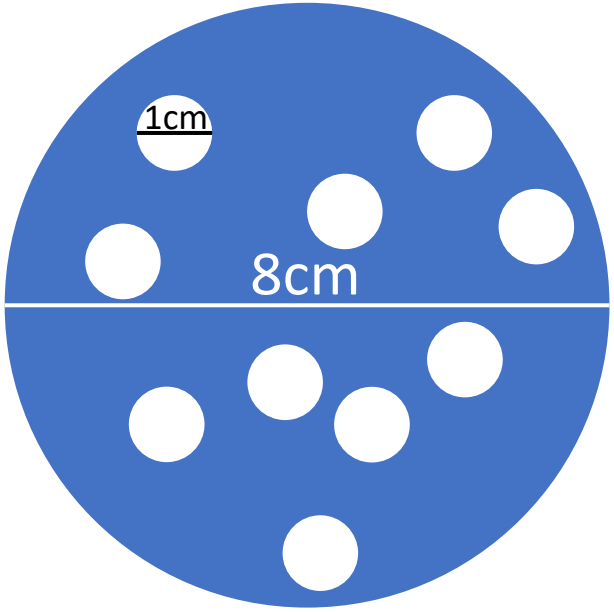
e).



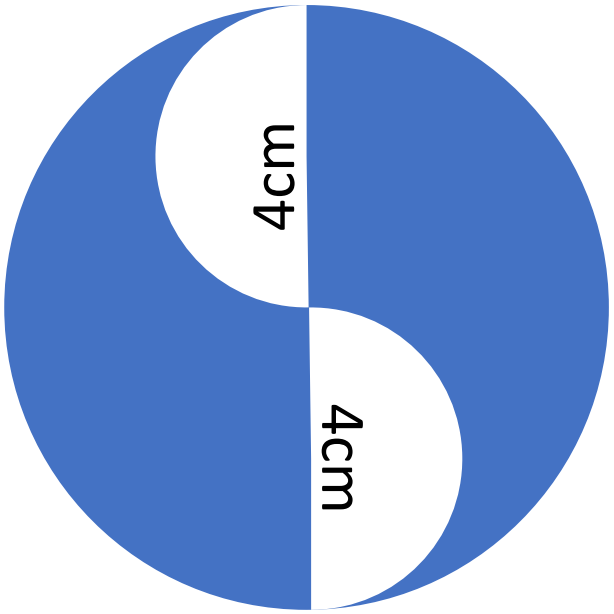
f).

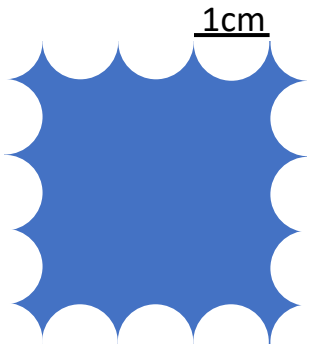


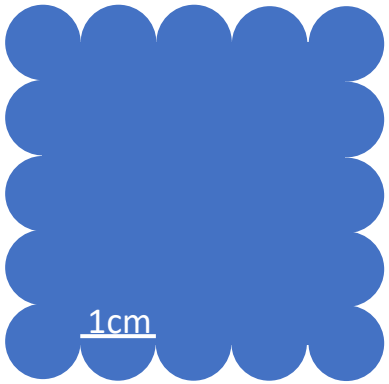
a).	$A = 1.40\ m^2$	$P = 4.71\ m$	b).	$A = 2171.7\ cm^2$	$P = 242.8\ cm$
c).	$A = 493.1\ cm^2$	$P = 174.2\ cm$	d).	$A = 87.5\ m^2$	$P = 36.00\ m$
e).	$A = 144\ cm^2$	$P = 61.70\ cm$	f).	$A = 235.6\ cm^2$	$P = 94.2\ cm$

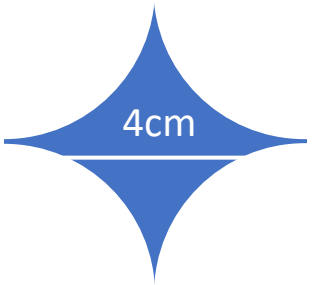


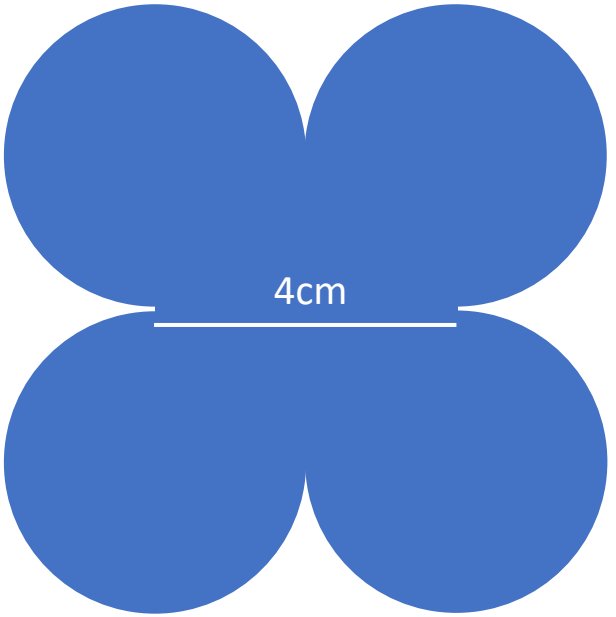
How many small circles could we fit into the large circle?

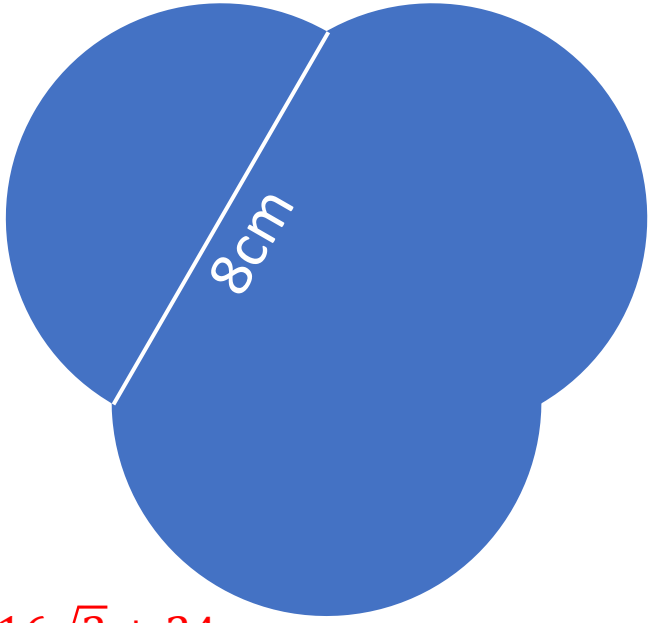






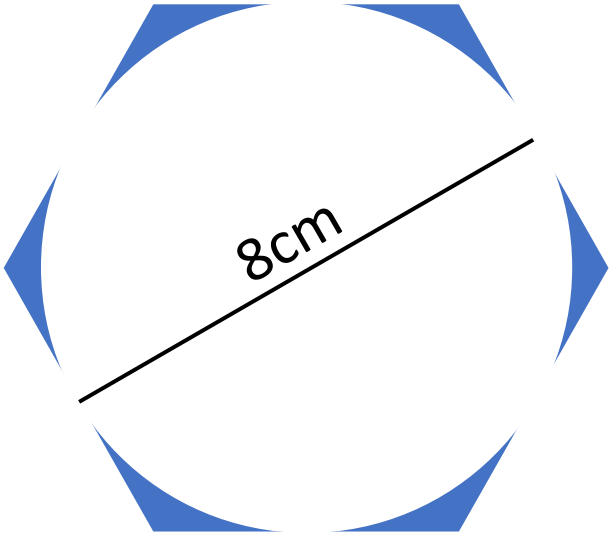




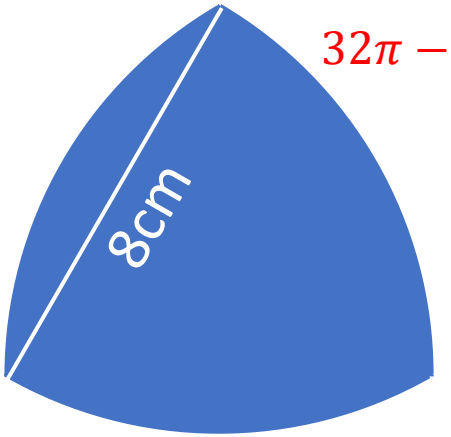


$16\sqrt{3} + 24\pi$

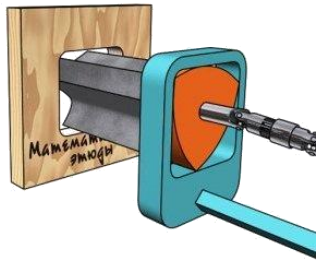
$32\sqrt{3} - 16\pi$



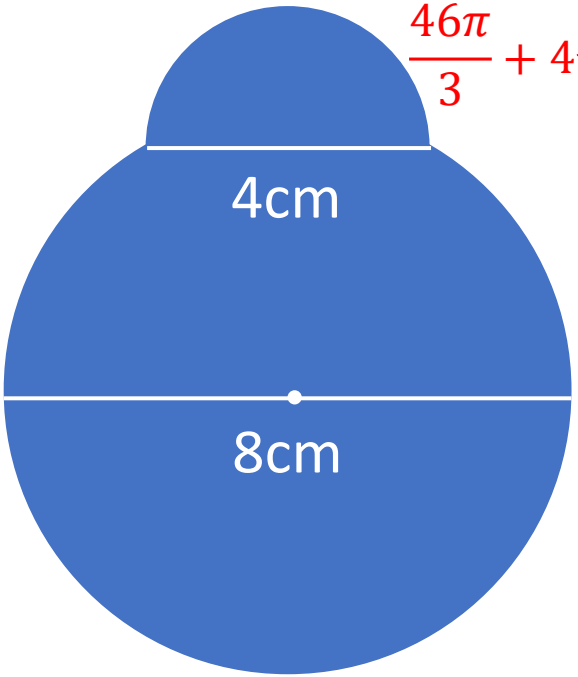
$32\pi - 32\sqrt{3}$

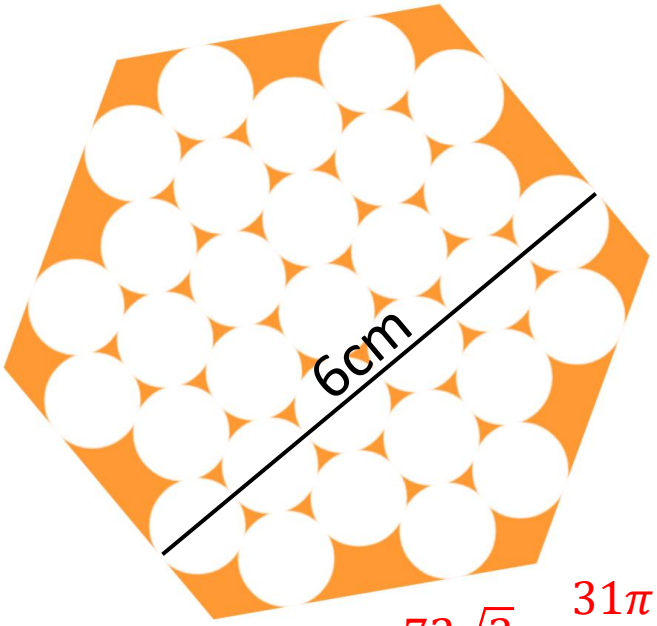


This is a Reuleaux triangle



$\frac{46\pi}{3} + 4\sqrt{3}$





$72\sqrt{3} - \frac{31\pi}{4}$

$\frac{27.5^2}{2}\left(\pi - 7\tan\frac{\pi}{14}\right)$

Diameter = 27.5mm