Find the area of this shape


Split the shape into rectangles.

$5 \times 9=45$
$7 \times 4=28$
$28+45=73$

$$
\text { Area }=73 \mathrm{~cm}^{2}
$$



Area $=\frac{4 \times 8}{2}=16$
8 cm

Area $=16 \mathrm{~cm}^{2}$

Sunny is required to make the shape below out of metal bar. The shape is made up of a square of side length 20 cm , and 4 identical semicircles, each with the same diameter that is equal to the side length of the square. Each semicircle has 3 bars that go from the centre to the edge of the semicircle. Find the total amount of length of metal bar required to make this
shape.

Use $\pi=3.14$


$$
20 \times 4=80
$$

Circumference of a semicircle $=2 \pi r \div 2$

$$
\begin{aligned}
=2 \times \pi \times 10 \div 2 & =31.4 \\
31.4 \times 4 & =125.6
\end{aligned}
$$

12 bars that are each 10 cm long $=12 \times 00=120$

$$
120+80+125.6=325.6
$$

325.6 cm of metal bar

## Find the area of this

 right-angle triangle

4 cm


$$
\text { Area }=\frac{4 \times 6.5}{2}=13
$$

Find the area of the blue ring. Use $\pi=3.14$


Area of Blue Ring $=94.2 \mathrm{~cm}^{2}$

$$
\text { Area }=13 \mathrm{~cm}^{2}
$$

