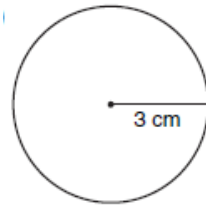


1) BEDMAS: $15 - 15 + 2$

2) 10 % of 29

3) 50% of 8

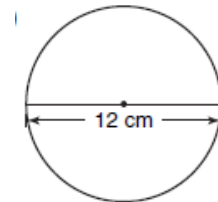
4) Estimate the area of the circle:



5) $\frac{1}{3}$ of 33

6) 20% of 30

7) Estimate the Circumference of the circle:



8) 150×20

9) $10008 \div 2$

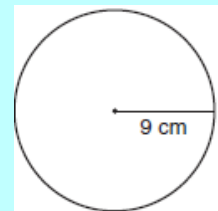
10) What is the LCD for 2 and 3 ?

1) BEDMAS: $15 - 15 \times 2$

2) 10 % of 290

3) Find the radius of diameter = 8cm

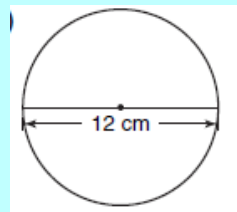
4) Estimate the area of the circle:



5) $\frac{1}{3}$ of 60

6) 20% of 55

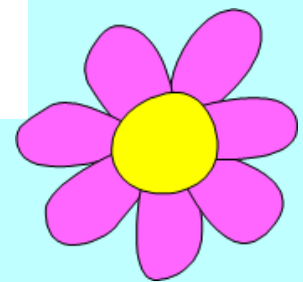
7) Estimate the Circumference of the circle:



8) 36×20

9) $105 \div 5$

10) What is the LCD for 5 and 3 ?

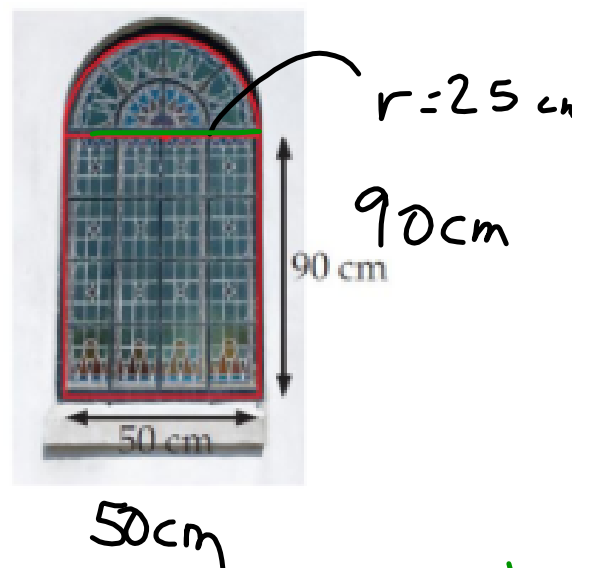


Find the area of the glass in this stained glass window.

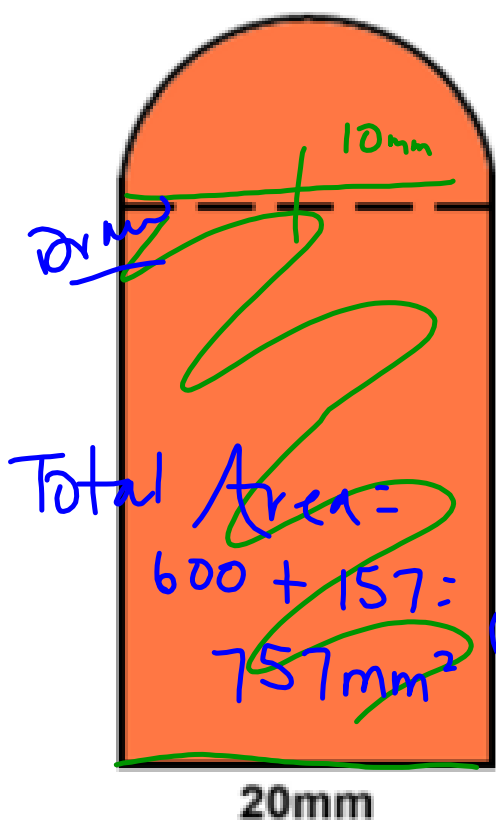
$$\begin{aligned}
 A &= l \times w \\
 &= 90 \times 50 \\
 &= 4500 \text{ cm}^2
 \end{aligned}$$

$$\begin{aligned}
 A_o &= \pi r^2 \\
 &= 3.14 (25 \times 25) \\
 &= 3.14 (625) \\
 &= 1962.5 \text{ cm}^2 \div 2 \\
 &= 981.25 \text{ cm}^2
 \end{aligned}$$

+



$$\begin{aligned}
 \text{Total Area} &= 4500 \text{ cm}^2 \\
 &+ 981.25 \text{ cm}^2 \\
 &= 5481.25 \text{ cm}^2
 \end{aligned}$$



$$A = l \times w \quad \textcircled{1}$$

$$= 30 \times 20$$

$$= 600 \text{ mm}^2$$

$$A_0 = \pi r^2 \quad \textcircled{2}$$

$$= 3.14 (10 \times 10)$$

$$= 3.14 (100)$$

$$= 314 \text{ mm}^2$$

$$= 157 \text{ mm}^2 \quad \swarrow \frac{1}{2}$$

Total Area =

$$600 + 157 =$$

$$757 \text{ mm}^2 \quad \textcircled{1}$$

5/5

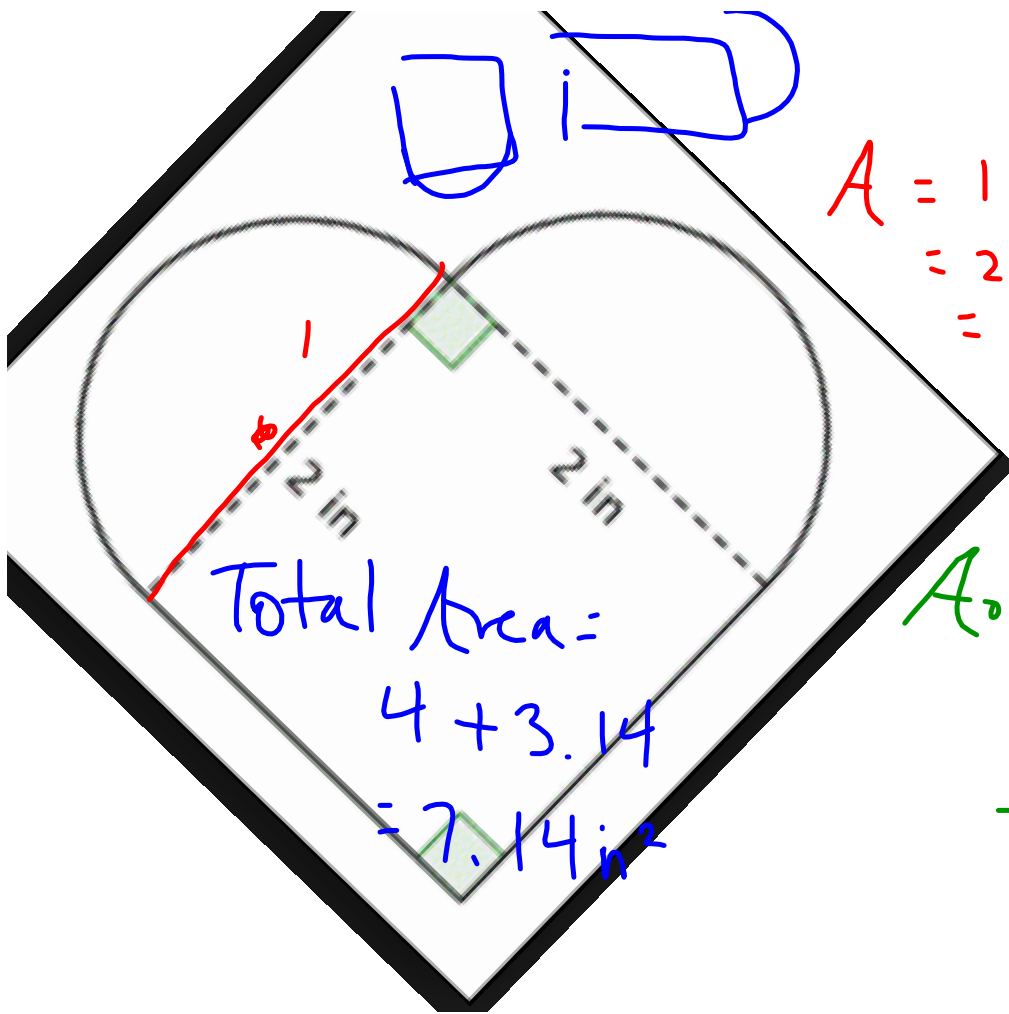
**Question**

The window at the top of a door is in the shape of a semicircle.

The door is $0.8m$ wide.

If the glass in the window is broken what area of glass is needed to replace the window?

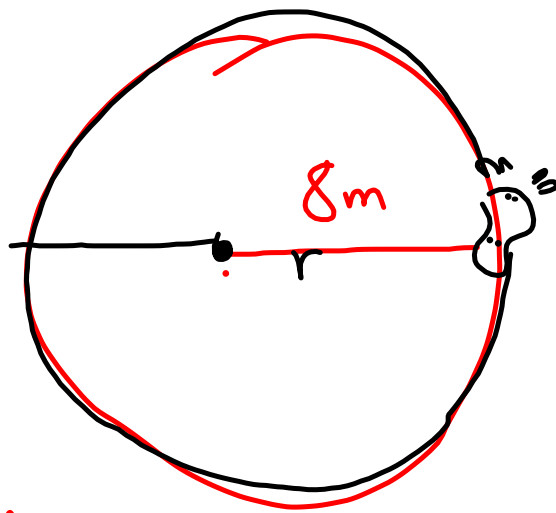
$$\begin{aligned} A &= \pi r^2 \\ &= 3.14(0.4 \times 0.4) \\ &= 3.14(0.16) \\ &= 0.5024 \div 2 = 0.2512 \text{ m}^2 \end{aligned}$$



$$\begin{aligned}
 A &= l \times w \\
 &= 2 \times 2 \\
 &= 4 \text{ in}^2
 \end{aligned}$$

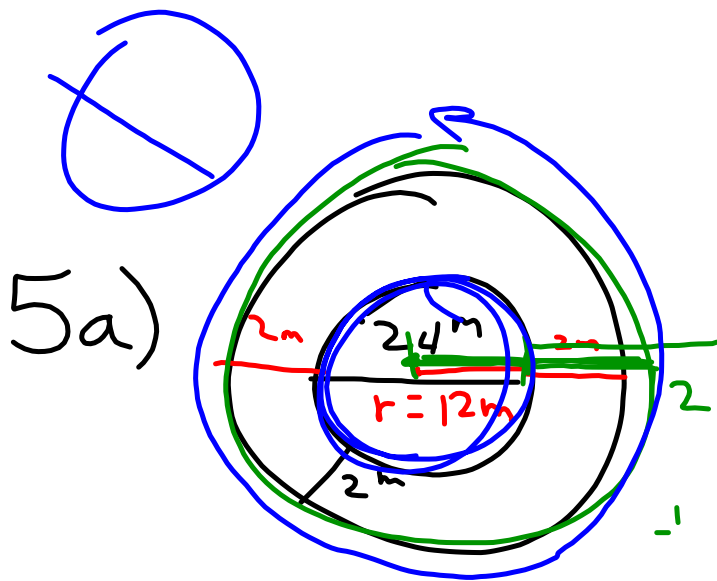
$$\begin{aligned}
 \text{Total Area:} \\
 &4 + 3.14 \\
 &= 7.14 \text{ in}^2
 \end{aligned}$$

$$\begin{aligned}
 A_0 &= \pi r^2 \\
 &= 3.14(1 \times 1) \\
 &= 3.14(1) \\
 &= 3.14 \text{ in}^2
 \end{aligned}$$



$$a) A = \pi r^2$$

$$b) C =$$



b)

$$12\text{m} + 2\text{m} = 14\text{m}$$

a)

$$C = \pi d$$

$$= 3.14 \times 24$$

$$= 75.36\text{m}$$

c)

$$= \pi d$$

$$= 3.14 \times 28$$

Test tomorrow : area of a circle

