13a. The perimeter of the corner decoration is made up of one quarter-circle arc and two semicircle arcs.

Length of quarter-circle arc

$= \frac{1}{4} \times 3.14 \times 60 \times 2$

$= 94.2$ cm

Length of two semicircle arcs

= circumference of one full circle

$= 3.14 \times 60$

$= 188.4$ cm

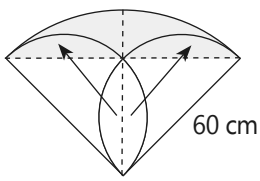
Perimeter of corner decoration

$= 94.2 + 188.4$

$= 282.6$ cm

Ans: 282.6 cm

13b. The shaded parts have the same areas as a quarter circle of radius 60 cm with a triangle cut out from it.



Area of quarter circle

$= \frac{1}{4} \times 3.14 \times 60 \times 60$

$= 2826$ cm^2

Area of triangle

$= \frac{1}{2} \times 60 \times 60$

$= 1800$ cm^2

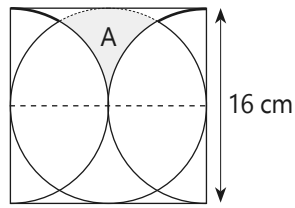
Area of shaded parts

$= 2826 - 1800$

$= 1026$ cm^2

Ans: 1026 cm^2

14a. The perimeter of the shaded part A can be visualised as 2 quarter-circle arcs.



Perimeter of 2 quarter-circle arcs

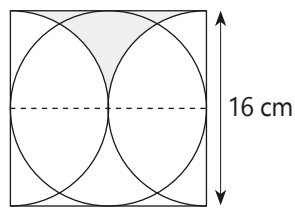
= Perimeter of one semicircle arc

$= 3.14 \times 16 \div 2$

$= 25.12$ cm

Ans: 25.12 cm

14b. The shaded parts have the same area as 2 quarter circles of radius 8 cm cut out from half of the square of side 16 cm.



Radius of quarter circle

$= 16 \div 2$

$= 8$ cm

Area of half of the square

$= 16 \times 16 \div 2$

$= 128$ cm^2

Area of 2 quarter circles

= Area of one semicircle

$= 3.14 \times 8 \times 8 \div 2$

$= 100.48$ cm^2

Total shaded area

$= 128 - 100.48$

$= 27.52$ cm^2

Ans: 27.52 cm^2