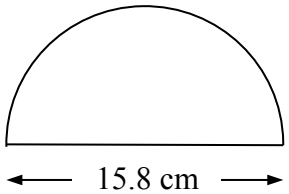
CIRCLES

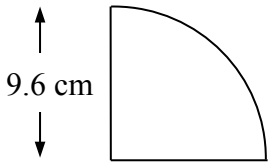
PERIMETER OF SHAPES WITH ARCS

Ref: G425.2E1

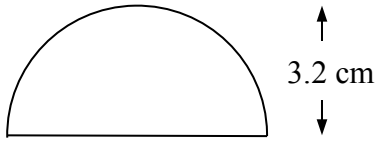
A1
Find the length of the perimeter.



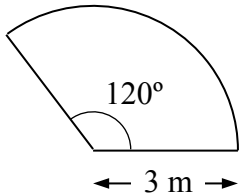
A2
Find the length of the perimeter.



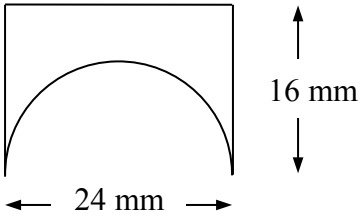
A3
Find the length of the perimeter.



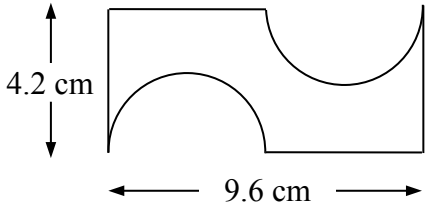
A4
Find the length of the perimeter.



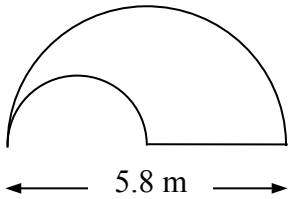
B1
Find the length of the perimeter.



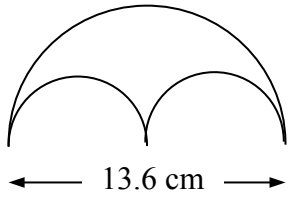
B2
Find the length of the perimeter.



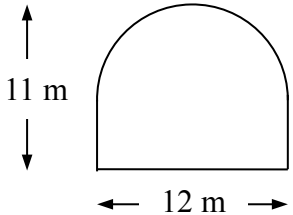
B3
Find the length of the perimeter.



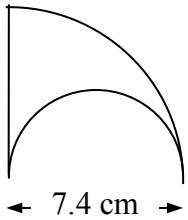
B4
Find the length of the perimeter.



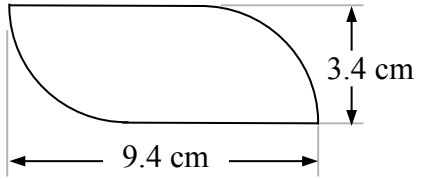
C1
Find the length of the perimeter.



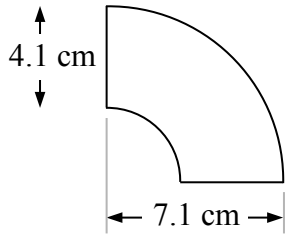
C2
Find the length of the perimeter.



C3
Find the length of the perimeter.



C4
Find the length of the perimeter.



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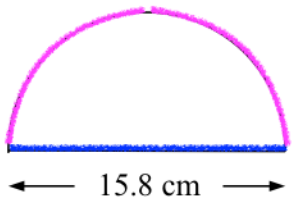
CIRCLES

PERIMETER OF SHAPES WITH ARCS

Ref: G425.2E1

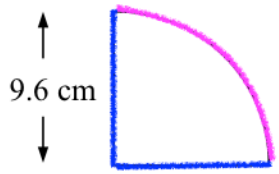
A1

$\frac{\pi \times 15.8}{2} + 15.8 = 40.6$ cm



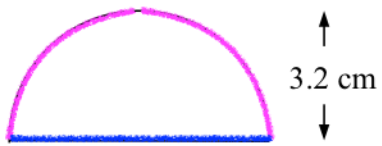
A2

$\frac{\pi \times 19.2}{4} + 2 \times 9.6 = 34.3$ cm



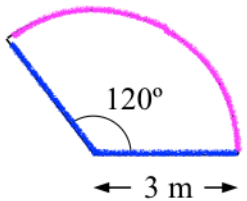
A3

$\frac{\pi \times 6.4}{2} + 6.4 = 16.5$ cm



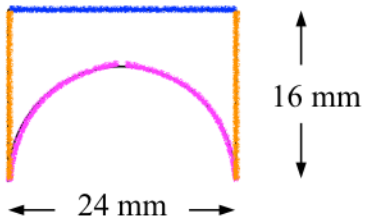
A4

$\frac{\pi \times 6}{3} + 2 \times 3 = 12.3$ m



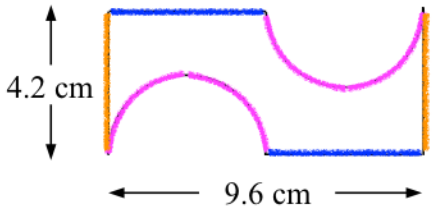
B1

$\frac{\pi \times 24}{2} + 2 \times 16 + 24 = 93.7$ mm



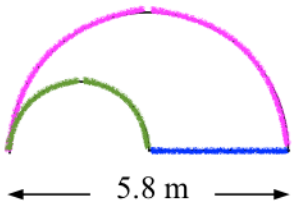
B2

$2 \times \left(\frac{\pi \times 4.8}{2} + 4.2 + 4.8 \right) = 33.1$ cm



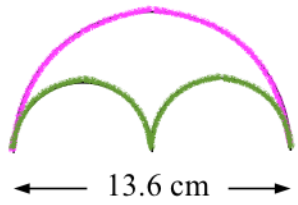
B3

$\frac{\pi \times 5.8}{2} + \frac{\pi \times 2.9}{2} + 2.9 = 16.6$ m



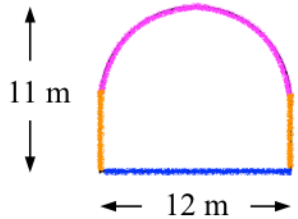
B4

$\frac{\pi \times 13.6}{2} + 2 \times \frac{\pi \times 6.8}{2} = 42.7$ cm



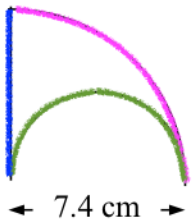
C1

$\frac{\pi \times 12}{2} + 2 \times 5 + 12 = 40.8$ m



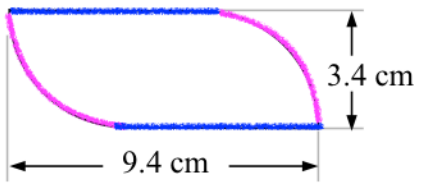
C2

$\frac{\pi \times 14.8}{4} + \frac{\pi \times 7.4}{2} + 7.4 = 30.6$ cm



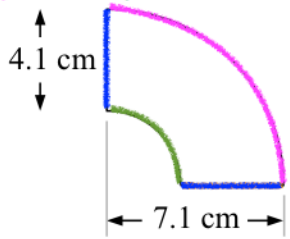
C3

$2 \times \left(\frac{\pi \times 6.8}{4} + 6 \right) = 22.7$ cm



C4

$\frac{\pi \times 14.2}{4} + \frac{\pi \times 6}{4} + 2 \times 4.1 = 24.1$ cm



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