



Grade 09

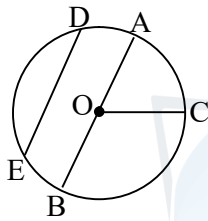
Mathematics

Unit 18

## Circumference of a Circle

### Part I

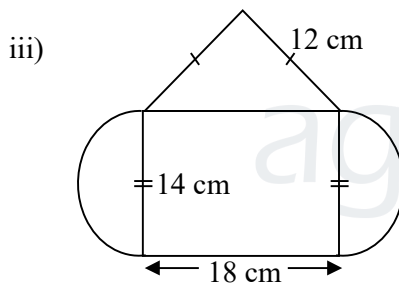
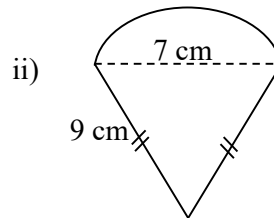
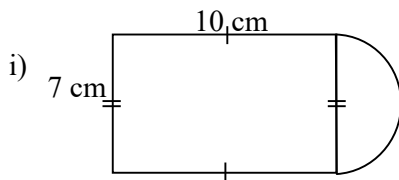
- (1) Name the radius, diameter, chord and centre of the circle.



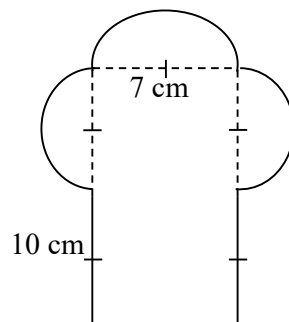
- (2) Find the diameter of the circle of radius 7 cm.
- (3) Find the radius of the circle when diameter is 22 cm.
- (4) Mention the formula you used to find the circumference of a circle. Mention the terms in it.
- (5) Find the circumference of a circle when radius is 14 cm.
- (6) Find the circumference when diameter is 21 cm.
- (7) Find the radius when circumference is 33 cm.

**Part II**

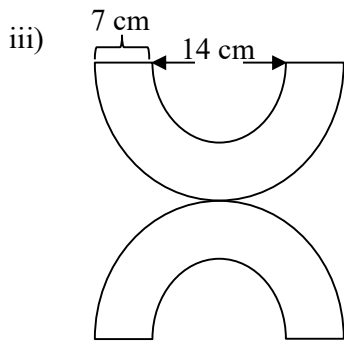
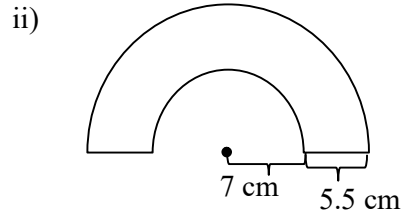
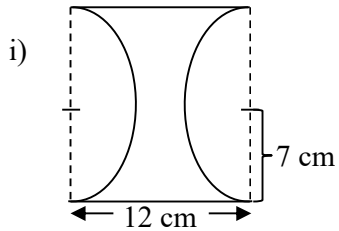
- (1) Find the circumference when radius is 15.4 cm.
- (2) Find the perimeter of the semicircle of radius 21 cm.
- (3) Find the perimeter of the following figures.



- (4) Perimeter of a circular land is 176 cm. Find the radius of it.
- (5) A red colour ribbon should be pasted around following figure. Find the length of the ribbon needed.



(6) Find the perimeter of the following figures.



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(7) A child who owns a bicycle get in to a bicycle race. The diameter of the bicycle wheel is 70 cm.

- i) Find the distance the bicycle travel when the wheel rotate one complete circle.
- ii) Find the distance it travel when the wheel rotate 60 such rounds.
- iii) How many rounds the wheel should rotate to travel 2 km?