

# ANNULUS

In mathematics, an annulus is a shape that forms in between two circles with a common center. It is shaped like a ring. It is referred to as the area of two concentric circles. This page of EduLyte's is more informative for you because it will cover the concepts related to the annulus, its role in mathematics, and so on.

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**Q1: The outer circle of an annulus is called:**

- A: Diameter
  - B: Radius
  - C: Circumference
  - D: Perimeter
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**Q2: What is the formula for calculating the perimeter of an annulus?**

- A:  $C = \pi(r_1 + r_2)$
  - B:  $C = \pi(r_1 - r_2)$
  - C:  $C = 2\pi(r_1 + r_2)$
  - D:  $C = 2\pi(r_1 - r_2)$
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**Q3: What is the area of an annulus with a radius of 6 units and a width of 2 units?**

- A:  $8\pi$  square units
  - B:  $12\pi$  square units
  - C:  $24\pi$  square units
  - D:  $36\pi$  square units
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**Q4: Do both annulus and Circle are same?**

- A: Yes
  - B: No
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**Q5: Find out the width of the annulus if R is 4 and the r is 2.**

- A: 3
  - B: 2
  - C: 7
  - D: 12
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**Q6: What is the formula of the area of the annulus?**

A:  $2\pi(R+r)$

B:  $(R^2+r^2)$

C:  $\pi(R^2+r^2)$

D: None of the above

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**Q7: What is the circle area?**

A:  $\pi(R+r)$

B:  $2\pi(R+r)$

C:  $(r^2)$

D:  $\pi r^2$

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**Q8: Find out the area of the annulus if R is 2 and r is 1.**

A:  $3\pi$

B:  $2\pi$

C:  $1\pi$

D:  $\pi^2$

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**Q9: What is annulus?**

A: Circle

B: Ring

C: Concentric circle

D: Both A and B

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**Q10: Annulus is useful in daily life?**

A: Yes

B: No

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## Answers

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**Q1:** C - Circumference

**Q2:** C -  $C = 2\pi(r_1 + r_2)$

**Q3:** C -  $24\pi$  square units

**Q4:** B - No

**Q5:** B - 2

**Q6:** C -  $\pi(R^2 + r^2)$

**Q7:** D -  $\pi r^2$

**Q8:** A -  $3\pi$

**Q9:** C - Concentric circle

**Q10:** A - Yes