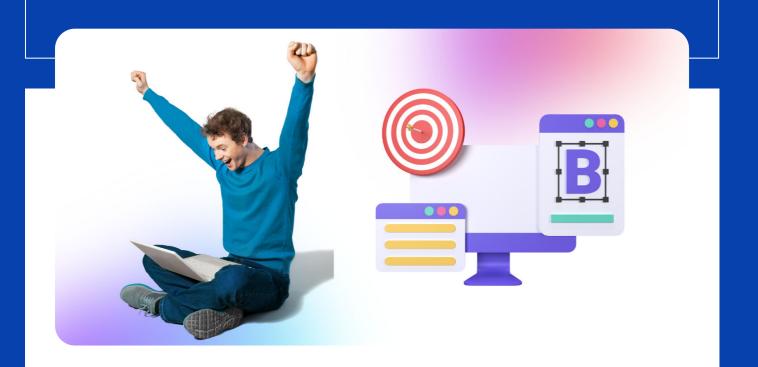# AREA OF A TRAPEZOID FORMULA

A trapezoid is a four-sided shape that consists of a pair of sides parallel to each other. A trapezoid is a two-dimensional shape similar to a rectangle or square, but it has most similarities with a parallelogram. A trapezoid also consists of a particular perimeter and area for itself, as the other shapes have.

Read more

Q1: What is the formula for calculating the area of a trapezoid?

A: A = (1/2) * (a + b) * h
B: A = (a + b) / 2
C: A = a * b * h
D: A = (1/2) * a * b

Q2: If the top base of a trapezoid measures 8 units, the bottom base measures 12 units, and the height is 5 units, what is the area?

A: 60 square units
B: 20 square units
C: 50 square units
D: 10 square units

Q3: What is the formula for calculating the area of a trapezoid when you have the lengths of the bases but not the height?

A: A = (1/2) * (a + b) * h
B: A = a * b
C: A = (a + b) * h
D: It's not possible to calculate without the height.

Q4: Find the Area of a Trapezoid with bases of 20 cm, 40 cm, and a height of 18 cm.

A: 500 cm²
B: 540 cm
C: 500 cm
D: 540 cm²

Q5: What is the Sum of all Angles of a Trapezoid?

A: 180°
B: 360°
C: 45°
D: 90°

Q6: What is the sum of Angles on the same side of a Trapezoid?

A: 180°
B: 360°
C: 145°
D: 190°

Q7: Find the Area of a Trapezoid with bases of 10 cm, 20 cm, and a height of 8 cm.

A: 120 cm
B: 140 cm²
C: 120 cm²
D: 140 cm

Q8: How is the Area of a Trapezoid denoted?

A: Cube units
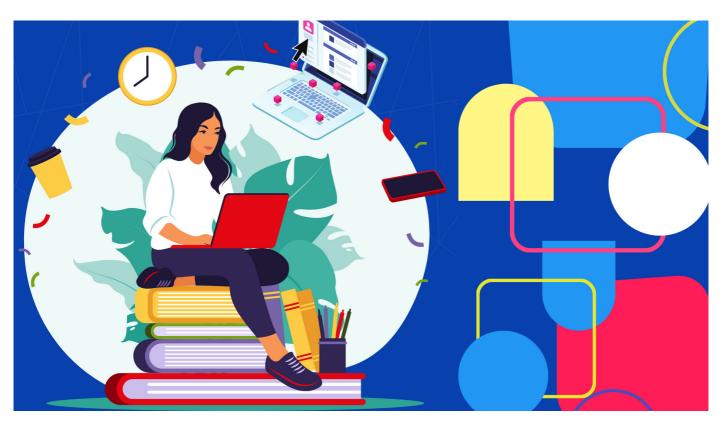B: Square units
C: Single units
D: None of these

Q9: Find the Area of a Trapezoid with bases 12 cm, 15 cm, and a height of 7 cm.

A: 94 cm
B: 945 cm²
C: 94.5 cm
D: 94.5 cm²

Q10: Find the Area of a Trapezoid with bases of 100 cm, 200 cm, and a height of 50 cm.

A: 5 cm²
B: 500 cm²
C: 5 Lac cm²
D: 5 Lac cm

Answers

Q1: A - A = (1/2) * (a + b) * h

Q2: C - 50 square units

Q3: A - A = (1/2) * (a + b) * h

Q4: D - 540 cm²

Q5: B - 360°

Q6: A - 180°

Q7: C - 120 cm²

Q8: B - Square units

Q9: D - 94.5 cm²

Q10: C - 5 Lac cm²