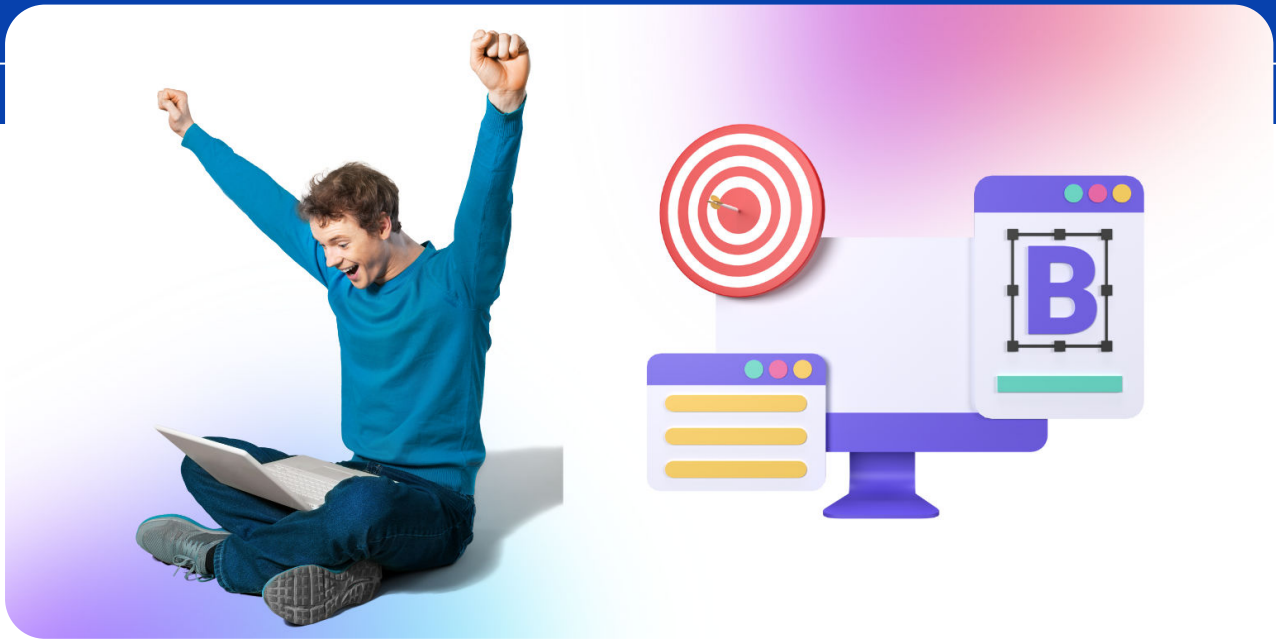
Edulyte

SQUARE

A square is one of the geometrical shapes that is applied in an array of tasks and applications in the real world. To define square, we can say that a square is a four-sided polygon with all sides equal in length and angles measuring 90 degrees. The square has such a shape that if it is cut by a plane from the middle then both the divided sides will be symmetrical. To know what is square, go through the following most important properties of a square that make it unique from all other kinds of geometric shapes:

Read more



Q1: If a square has a diagonal of length 10 units, what is the length of each side?

A: 5 units
B: 7 units
C: 10 units
D: 12 units

Q2: If the perimeter of a square is 20 centimeters, what is the length of each side?

A: 5 centimeters
B: 10 centimeters
C: 15 centimeters
D: 20 centimeters

Q3: What is the value of each exterior angle of a square?

A: 45 degrees
B: 60 degrees
C: 90 degrees
D: 180 degrees

Q4: What is the value of each interior angle of a square?

A: 45 degrees
B: 60 degrees
C: 90 degrees
D: 180 degrees

Q5: What is the formula for finding the area of a square?

A: s^2
B: s√2
C: 4*s
D: None of the above

Q6: What is the formula for finding the perimeter of a square?

A: s^2
B: s√2
C: 4*s
D: None of the above

Q7: What is the formula for finding the length of a diagonal of a square?

A: 4*s
B: s√2
C: s^2
D: None of the above

Q8: Choose the most appropriate alternative for the given statement: The length of a diagonal of a square is always _____ than the length of its side.

A: Smaller
B: Bigger
C: Equal
D: None of the above

Q9: Choose the most appropriate alternative for the given statement: A square's diagonals are _____ to each other.

A: Equal
B: Unequal
C: Parallel
D: None of the above

Q10: Choose the real-life application where squares are used:

A: City planning
B: Picture frames
C: Floor tiles
D: All of the above

Answers

Q1: B - 7 units

Q2: A - 5 centimeters

Q3: C - 90 degrees

Q4: C - 90 degrees

Q5: A - s^2

Q6: C - 4*s

Q7: B - s√2

Q8: B - Bigger

Q9: A - Equal

Q10: D - All of the above