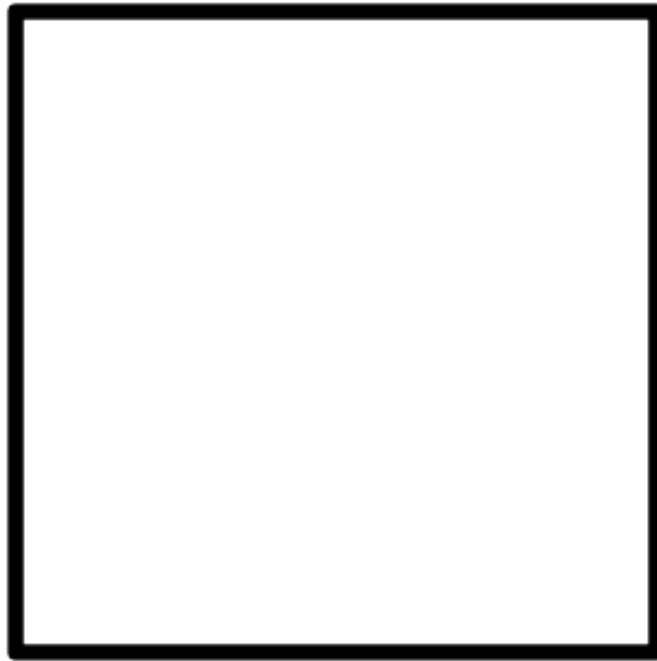


## Square Quiz: questions and answers



1. What is the total sum of all angles in a square?

- 90°
- 180°
- 360°

2. Which symmetry group does square belong to?

- D2
- D5
- D4

3. What is the Schläfli symbol for a square?

- {4}
- {8}
- {2}

4. How do you calculate the perimeter of a square?

- Four times the length
- The diagonal square divided by 2
- Two times the length

5. How is the area of a square can be calculated?

- The diagonal divided by 2
- The length is squared

Three times the length

6. What is the area formula that a convex quadrilateral needs to be considered a square?

$(a^2 + c^2) = 1/2(b^2 + d^2)$

$1/2(a^2 + c^2) = 1/2(b^2 + d^2)$

$1/2(a^2 + c^2) = (b + d^2)$

7. How many inscribed squares are in an obtuse triangle?

1

2

5

8. How many shapes are considered squares?

7

2

4

9. What angle do the diagonals of a square meet at?

$45^\circ$

$90^\circ$

$60^\circ$

10. How many inscribed squares are in an acute triangle?

2

3

4

## Square Quiz: questions and answers

### Right answers

1. What is the total sum of all angles in a square?  
360°
2. Which symmetry group does square belong to?  
D4
3. What is the Schläfli symbol for a square?  
{4}
4. How do you calculate the perimeter of a square?  
Four times the length
5. How is the area of a square can be calculated?  
The length is squared
6. What is the area formula that a convex quadrilateral needs to be considered a square?  
 $1/2(a^2 + c^2) = 1/2(b^2 + d^2)$
7. How many inscribed squares are in an obtuse triangle?  
1
8. How many shapes are considered squares?  
7
9. What angle do the diagonals of a square meet at?  
90°
10. How many inscribed squares are in an acute triangle?  
3