Area Math Practice Test

1. An error 2 % in excess is made while measuring the side of a square. What is the percentage of error in the calculated area of the square?

◉ 10

◉ 35

◉ 55

◉ 65

◉ 75

Your Answers

2. A rectangular park has to be fenced on three sides leaving a side of 20 feet uncovered. If the area of the park is 680 square feet, how many feet of fencing will be required?

◉ 44

◉ 88

◉ 144

◉ 188

◉ 195.50

Your Answers

3. The length of a rectangle is twice its breadth. If its length is decreased by 5 cm and breadth is increased by 5 cm, the area of the rectangle is increased by 75 sq.cm. What is the length of the rectangle?

◉ 10 cm.

◉ 20 cm.

◉ 30 cm.

◉ 40 cm.

◉ 95 cm.

Your Answers

4. The ratio between the length and the breadth of a rectangular park is 3:2. If a man cycling along the boundary of the park at the speed of 12 km/hr completes one round in 8 minutes, then what is the area of the park in square meters?

◉ 153600

◉ 278900

◉ 365400

◉ 457800

◉ 547600

Your Answers

Answers Sheet: https://gotestprep.com/area-prep-test-1/   Check more on Go Test Prep

5. The diagonal of a rectangle is √ 41 cm and its area is 20 sq.cm. What is the perimeter of the rectangle?

◉ 6 cm

◉ 18 cm

◉ 26 cm

◉ 38 cm

◉ 58.5 cm

Your Answers

6. The diagonals of a rhombus are 72 cm and 30 cm respectively. What is its perimeter?

◉ 56 cm

◉ 96 cm

◉ 135 cm

◉ 156 cm

◉ 256 cm

Your Answers

7. A rectangular park 60 meters long and 40 meter wide has two concrete crossroads running in the middle of the park and the rest of the park has been used as a lawn. The area of the lawn is 2109 square meters. What is the width of the road?

◉ 1 meter

◉ 3 meters

◉ 5 meters

◉ 7 meters

◉ 9 meters

Your Answers

8. A rectangular parking space is marked out by painting three of its sides. If the length of the unpainted side is 9 feet, and the sum of the lengths of the painted sides is 37 feet, find out the area of the parking space in square feet?

◉ 6 square feet

◉ 30 square feet

◉ 65 square feet

◉ 96 square feet

◉ 126 square feet

Your Answers

9. If a square and a rhombus stand on the same base, then what is the ratio of the areas of the square and the rhombus?

◉ greater than 1	◉ less than to 1
◉ equal to 1/2	◉ equal to 3/2
◉ equal to 1	

Your Answers

10. What is the percentage increase in the area of a rectangle, if each of its sides is increased by 20 % ?

◉ 2%	◉ 22%
◉ 44%	◉ 88%
◉ 122%	

Your Answers