Area and Circumference of a Circle - Word Problems

Solve the following problems using the formulas of area and perimeter of a circle :

1 Sohan purchased a wall clock. The radius of the clock is 20 cm. What is the area and circumference of the wall clock ?

2 Pamela bought a new Fiat- four wheeler car. The radius of the wheel is 36 in. Find the area and circumference of the Fiat-wheel.

3 Ravi bought a big round drum for the evening party in christmas. The diameter of the drum is 33 in. Find the area and circumference of the drum.

4 Suppose you bought a circular rug with a diameter of 8 cm. Find the area and circumference of the rug.

5 Kriti has a circular swimming pool in her house. The radius of the swimming pool is 22.5 cm. Find the area and circumference of the pool.

6 Tony made cookies of circumference 45 cm. Find the area of each cookie made by tony.

MATH
MONKS

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Answers

1 Sohan purchased a wall clock. The radius of the clock is 20 cm. What is the area and circumference of the wall clock ?

Area = 1256.63 cm^2, Circumference = 125.66 cm

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2 Pamela bought a new Fiat- four wheeler car. The radius of the wheel is 36 in. Find the area and circumference of the Fiat-wheel.

Area = 4071.50 in^2, Circumference = 226.19 in

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3 Ravi bought a big round drum for the evening party in christmas. The diameter of the drum is 33 in. Find the area and circumference of the drum.

Area = 855.29 in^2, Circumference = 103.67 in

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4 Suppose you bought a circular rug with a diameter of 8 cm. Find the area and circumference of the rug.

Area = 201.06 cm^2, Circumference = 50.26 cm

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5 Kriti has a circular swimming pool in her house. The radius of the swimming pool is 22.5 cm. Find the area and circumference of the pool.

Area = 1590.43 cm^2, Circumference = 141.37 cm

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6 Tony made cookies of circumference 45 cm. Find the area of each cookie made by tony.

Area = 161.1 cm^2