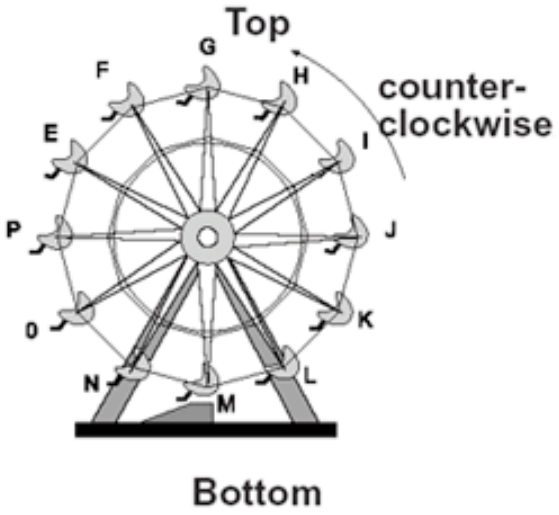
Name:_____

1998, Mathematics - Grade 10
Question 21: Multiple Choice

Geometry

The spokes on the Ferris wheel are evenly spaced.

After 2 $\frac{1}{4}$ complete turns how many degrees will car M have traveled?



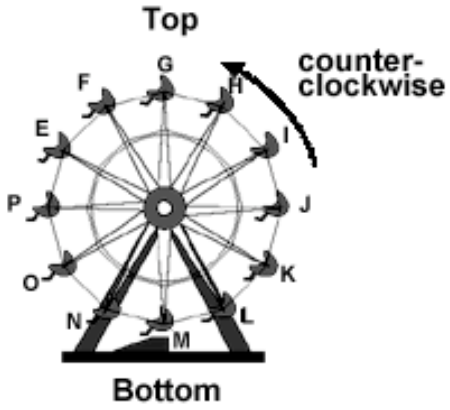
A. 90°
B. 225°
C. 450°
D. 810°

Name:_____

2001, Mathematics - Grade 10
Question 33: Multiple Choice

Measurement

Each ride on the Ferris wheel consists of 6 rotations. If the length of each of the spokes from the center of the wheel to a seat is t feet, how far will each passenger travel during a ride?



A. $6t$ feet

B. $6\pi t$ feet

C. $12t$ feet

D. $12\pi t$ feet

2004, Mathematics - Grade 10
Question 5: Multiple Choice

Measurement

The wheels on Bill's bicycle each have a radius of 35 centimeters. Which of the following is closest to the distance the bicycle moves along the ground in one complete revolution of the wheels?

A. 35 cm

B. 55 cm

C. 110 cm

D. 220 cm

Name:_____

2004, Mathematics - Grade 10
Question 37: Multiple Choice

Measurement

A right circular cylindrical can is 6 inches high, and the area of its top is 36π square inches. What is the minimum number of square inches of construction paper it would take to cover the lateral surface of this can?

A. 72 sq. in.

B. 72π sq. in.

C. 432 sq. in.

D. 432π sq. in.

2003, Mathematics - Grade 10
Question 1: Multiple Choice

Measurement

A landing pad for a helicopter is in the shape of a circle with a radius of 7 meters. Which of the following is closest to the area of the landing pad?

A. 44 square meters

B. 154 square meters

C. 205 square meters

D. 308 square meters