

28. Ratios to Distance

Name

Directions: Show all work, describe how you got the answer using mathematics and words, and circle your final answer

The Problem: Suppose Brian made a dance routine with this robot and programmed its motors to rotate 7,200 degrees. How many centimeters straight forward would you expect Brian's robot to travel? *Explain your answer using math and words.*

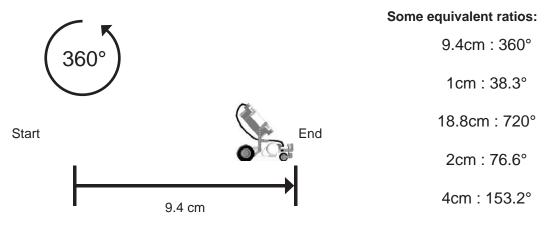


Figure 1: When this robot was programmed to do 360° of motor rotations it traveled straight 9.4 centimeters.