Ex 2: Peter and his partner are conducting a physics experiment on pendulum motion. Their 30 cm pendulum traverses an arc of 15 cm. To the nearest degree, how many degrees of rotation did the pendulum swing?
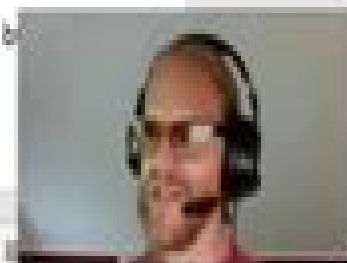
$$S = r \cdot \theta \cdot \frac{\pi}{180°}$$

$$15 = 30 \cdot \theta \cdot \frac{\pi}{180°}$$

30 cm

15 cm

Standard: Understand radian measure of an angle as the length of the arc on the unit circle subtended b...

Learning Target: *I can use the formulas for arc length and area of a sector to solve problems.*

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algorithm for finding a minimum spanning tree MST of an undirected neutrosophic weighted connected graph whose edge weights are represented by an interval valued neutrosophic number   Techniques and Applications for Mobile Commerce Cherif Branki,2008 Covers Wireless Technologies for the Extended Enterprise E Service Environments Aspect Oriented Techniques and Mobile Devices and AutoMoCo Autonomic Computing and Mobile Commerce   **Geospatial Technologies for Local and Regional Development** Phaedon Kyriakidis,Diofantos Hadjimitsis,Dimitrios Skarlatos,Ali Mansourian,2019-04-15 This book includes the full research papers accepted by the scientific programme committee for the 22nd AGILE Conference on Geographic Information Science held in June 2019 at Cyprus University of Technology Limassol Cyprus It is intended primarily for professionals and researchers in geographic information science as well as those in related fields in which geoinformation application plays a significant role   **Learning and Intelligent Optimization** Carlos A. Coello-Coello,2011-11-15 This book constitutes the thoroughly refereed post conference proceedings of the 5th International Conference on Learning and Intelligent Optimization LION 5 held in Rome Italy in January 2011 The 32 revised regular and 3 revised short papers were carefully reviewed and selected from a total of 99 submissions In addition to the contributions to the general track there are 11 full papers and 3 short papers presented at the following four special sessions IMON Intelligent Multiobjective OptimizatioN LION PP Performance Prediction Self EAs Self tuning self configuring and self generating evolutionary algorithms LION SWAP Software and Applications   *Freight Transport and Distribution* Tolga Bektas,2017-06-19 This book serves as a primer on freight transportation and logistics providing a general and broad coverage of concepts mathematical models and methodologies available for freight transportation planning at strategic tactical and operational levels It is aimed at graduate students and is also a reference book for practitioners in the field The book includes preliminaries such as mathematical modeling and optimisation algorithms The book also features case studies and practical real life examples to illustrate applications of the concepts and models covered and to encourage a hands on and a practical approach The author has taught and published extensively in the field and draw on state of the art scientific research He has also been part of a number of practical research projects which underpin the real life examples in the book

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