

PHYSICS WEBSITE 5

Topic : Uncertainty

Link | <https://barisciencelab.tech/Physics05.html>

5.3 Big Idea :

1. What is the area and its uncertainty of a circle of radius 3.8×10^4 cm?
2. **Is the diamond yours?** A friend asks to borrow your precious diamond for a day to show her family. You are a bit worried, so you carefully have your diamond weighed on a scale which reads 8.17 grams. The scale's accuracy is claimed to be 0.05grams. The next day you weigh the returned diamond again, getting 8.09 grams. Is this your diamond?