



Measurement Accuracy

Today's Standard

HSN.Q.A3 - Choose a level of accuracy appropriate to limitations on measurement when reporting quantities.

Cues	Notes
What is measurement accuracy?	Measurement accuracy refers to how close a measured value is to the true value.
Why is appropriate accuracy important?	Choosing the right level of accuracy is important to avoid unnecessary complexity and ensure reliability.
What are significant figures?	Significant figures are the digits in a measurement that contribute to its precision.
How does context affect required accuracy?	Different contexts require different levels of accuracy; for example, scientific experiments vs. everyday measurements.
Examples of real-world applications?	Applications include scientific experiments, financial reports, construction projects, and medical dosing.

Summary

Understanding measurement accuracy and choosing the appropriate level of precision is crucial for reliable and meaningful results in various real-world contexts.