



Measurement Unit Conversion

Today's Standard

4.MD.A1 - Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz.; l, ml; hr, min, sec. Within a single system of measurement, express measurements in a larger unit in terms of a smaller unit. Record measurement equivalents in a two-column table. For example, know that 1 ft is 12 times as long as 1 in. Express the length of a 4 ft snake as 48 in. Generate a conversion table for feet and inches listing the number pairs (1, 12), (2, 24), (3, 36), ...

Real-World Applications for this Standard

Converting recipe measurements from cups to ounces; Calculating travel distances in kilometers and miles; Measuring ingredients in grams and kilograms for science experiments; Converting time for different activities (e.g., hours to minutes); Converting height measurements from feet to inches

Today I Learned

Today, we learned how to change big measurements into smaller ones, like turning meters into centimeters. This helps us understand how long or heavy things are in different ways.

Common Stumbling Blocks

Sometimes kids think bigger units mean bigger numbers, but that's not true. Also, they might mix up different systems like inches and centimeters. Practicing with one system at a time can help.

Quiz Me

- How many centimeters are in a meter?
- What is bigger, a kilogram or a gram?
- How many inches are in a foot?
- How many minutes are in an hour?
- What is smaller, a liter or a milliliter?

Help Me

When we change measurements, like turning feet into inches, it helps us understand how big or small things are. For example, 1 foot is the same as 12 inches. This is useful when we measure things like our height or the

length of a table.