

TEKS Cluster: Measurement

TEKS Subcluster: Conversions

Student Expectations: 4.8(A), 4.8(B)

Activities Summary: Students understand the relative sizes of units and learn to use the *Grade 4 STAAR Mathematics Reference Materials* to perform measurement conversions using tables. Activities may be organized and delivered in two topics: **Relative Sizes of Units** and **Conversions**.

Activity Title Student Expectations	Activity Topic	Type			Delivery		
		new learning	intervention	practice	teacher-facilitated	small groups	stations
Relative Sizes of Units							
Measurement Challenge 4.8(A)	Relative Sizes of Length Units In this classroom scavenger hunt, students look for objects that are the relative size of the given unit and explain the size of different measurement units. Scaffolding includes using total physical response to understand the relationships between measurement units.	✓			✓		
Which Unit? 4.8(A)	Relative Sizes of Length Units Students decide what unit makes the most sense for measuring real-world objects and write descriptions to match units.		✓	✓		✓	
Conversions							
How Long Is It? 4.8(B)	Length Conversions Students use tables to perform conversion and answer conversion questions.	✓	✓		✓		
Conversion Match Up 4.8(B)	Length Conversions In this stations activity, students match units and find other lengths with the same relationship, then use tables to prove that matches are correct.			✓		✓	
Pancakes for a Crowd 4.8(B), 4.8(C)	Conversions Students solve problems using conversions typical in cooking. They place “ingredients” in a “mixing bowl” to show how to make 150 pancakes.			✓		✓	