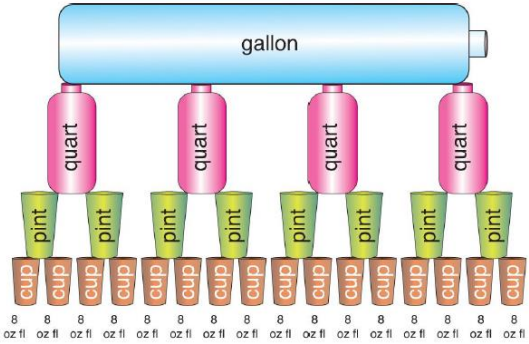Grade 4

Measurement Benchmark Conversions

Overarching Student Learning Goals In this unit, your child will work to build an understanding of the following:	Resources/Tasks to support your child at home.

Identify and describe examples for benchmark units.
Know the relative size measurements in each system of measure (metric and customary)
Example: Select all the measurements that are about 1 yard long.
    • The length of a student's desk
    • The height of a classroom
    • The width of a classroom door
    • The length of a movie ticket
    • The height of a building
 	
We can estimate U.S. customary units.
 	
Inch: length of thumb from tip to knuckle
 	
Foot: length of a license plate
 	
Yard: length of a baseball bat
 	
Mile: distance you can walk in 20 minutes
	• Use measurement tools when baking or cooking
	• Estimate weight, volume, or length of items before measuring
	• Blog Post: Kids Confused by Conversions? - https://bit.ly/2ComDaw
	• Scholastic Study Jams: Units of Measurement - https://bit.ly/2cwWgjR
	• LearnZillion: Recognize Common Units of Measurement - https://bit.ly/2sragGn
	• NumberRocks: Yards, Inches, Feet - http://goo.gl/fNjanQ

Find equivalent measures (conversions) within the same measurement system. Students will convert measurements from larger to smaller unit, such as feet to inches, or kilograms to grams 5 km = _____ m Students will look for or generate equivalent measures, i.e. 2 feet = 24 inches	• Look for examples in real life where you must convert from one measure to another • Metric Matching Game - https://bit.ly/1fbObLf • Number Rocks: Customary Capacity Song - http://goo.gl/NeyZ6d • Khan Academy: Converting Units of Length - https://bit.ly/2kiQWYV • Khan Academy: Converting Units of Mass - https://bit.ly/1DfDi7v

For more information on the learning goals and your child's progress, please contact your child's teacher.

Grade 4

US Customary Liquid Measurement 1 cup = 8 fluid ounces 1 pint = 2 cups 1 quart = 2 pints 1 gallon = 4 quarts	gallon / quart / pint / cup diagram	• Khan Academy: Converting Unit of Volume - https://bit.ly/2TR3fdy

Solve problems involving measurement conversions.
Students will solve problems (sometimes involving multiple steps) involving measurement conversions, such as comparing two measures using different units, finding equivalent measures, and using tables to look for patterns in equivalent measures

Multi-step problem: determine Jordan's distance, then add that to Emanuel's distance.

--------Emanuel-------- --------Jordan--------

1 km 850 m	?

	1 km 850 m	529 m

?

Feet	Inches
1	
2	
3	
4	
5	
10	

A shower uses about $2\frac{1}{2}$ gallons of water per minute.
About how many quarts of water are used in 10 minutes?

• Look for examples of different real-world examples of problems involving measurement conversions
• Khan Academy: Metric Conversion Problems - https://bit.ly/2nbDcBz
• Khan Academy: Customary Conversion Problems - https://bit.ly/2STTDyB