

4.MD.1&2 Measurement

I can...create a table showing equal measurements & solve real world problems using measurement and prove my answer.



conversion

The amount of one measurement compared to another.

*conversions occur within the same type of system



customary measurement

The U.S. or English system of measurement



inch, foot, yard, mile
fluid ounce, cup, pint, quart, gallon
ounce, pound, ton

metric system

The system of measurement used internationally



centimeter, meter, kilometer
Milliliter, liter,
gram, kilogram

kilometers (km) → meters (m)	1 kilometer (km) = 1,000 meters (m)
meters (m) → centimeters (cm)	1 meter (m) = 100 centimeters (cm)
kilograms (kg) → grams (g)	1 kilogram (kg) = 1,000 grams (g)
liters (L) → milliliters (mL)	1 liter (l) = 1,000 milliliters (ml)
pounds (lb) → ounces (oz)	1 pound (lb) = 16 ounces (oz)
feet (ft) → inches (in)	1 foot (ft) = 12 inches (in)
yard (yd) → feet (ft)	1 yard (yd) = 3 feet (ft)
hours (h) → minutes (min)	1 hour (h) = 60 minutes (min)
minutes (min) → seconds (s)	1 minutes (min) = 60 seconds (s)

PRACTICE

length

Dare has 5 feet of yarn that she wants to divide evenly between 6 friends. How many inches of yarn would each friend get? Explain your answer using a chart, pictures, words, or numbers.

1 foot = 12 inches

Shanti built a treehouse that is 7 feet 5 inches off the ground. Miguel built a treehouse that is 75 inches off the ground. Miguel says his treehouse is higher off the ground than Shanti's. Is he correct? Explain your answer using a chart, pictures, words, or numbers.

FEET	INCHES
1	12
2	
3	
4	
5	
6	
7	

mass & weight

Zayda brought 4 liters of hot cocoa to the hot cocoa stand and Caleb brought 750 milliliters to the stand. How many more milliliters did Zayda bring?



Liters	Milliliters
1	1,000
2	
3	
4	

A tube of toothpaste weighs about 4 ounces. How many tubes of toothpaste would it take to equal 1 pound? Explain your answer using a chart, pictures, words, or numbers.

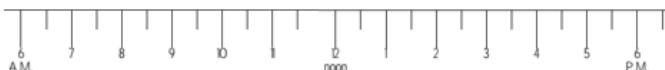
16 ounces = 1 pound

time

Dillon's family helped to build a Habitat for Humanity house. They started at 8:30 a.m. and worked until 4:00. How many hours did they work?

_____ hours

Use the elapsed time ruler below to prove your answer.



money

Apples cost \$1.30 a pound. Aidan bought 3 pounds of apples. How much change would he get if he paid with a \$5 bill? Explain your answer using a chart, pictures, words, or numbers.

