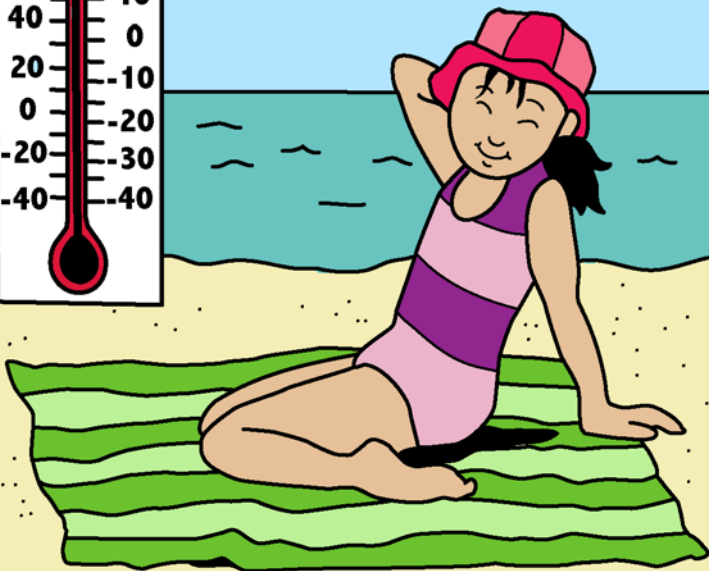
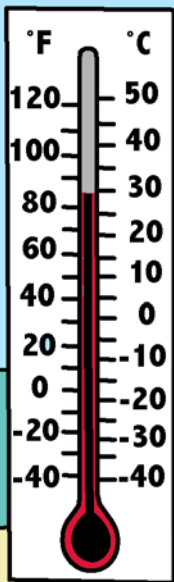


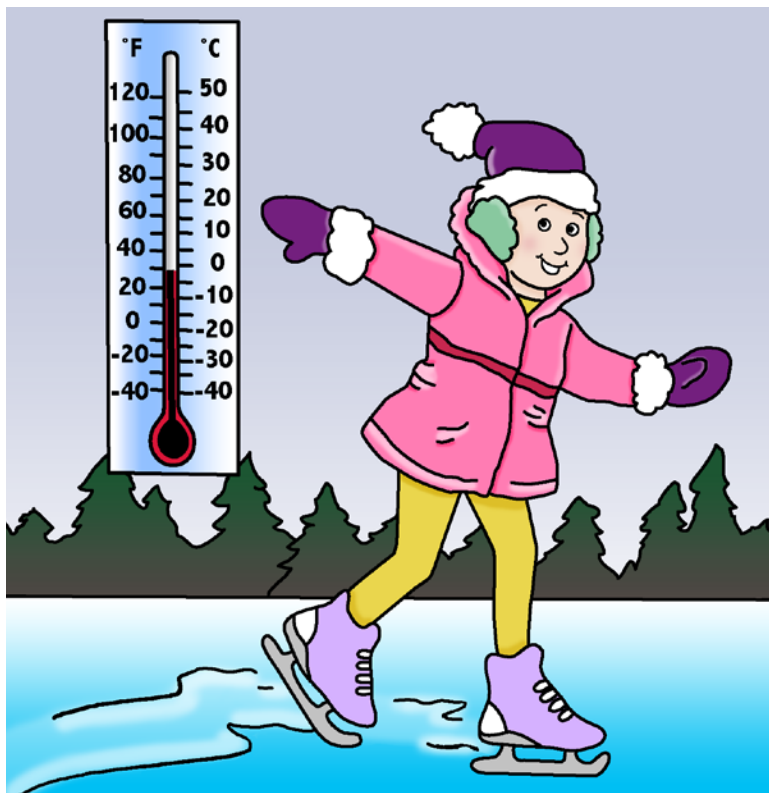
LEVELED BOOK • L

How We Measure



Written by Dori Butler • Illustrated by David Schimmell

How We Measure



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Illustrated by David Schimmell

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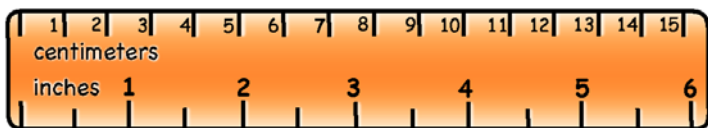
Introduction

Lisa and Magda are pen pals.
Lisa lives in the United States,
and Magda lives in Canada.

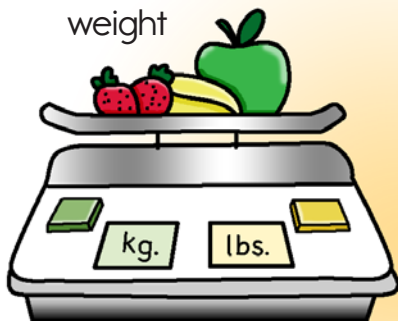
A lot of things are the same in
the United States and Canada.
But many things are different.

One difference is the **system** people use to **measure** things. Canada uses the **metric** system to measure things. The United States uses the **English** system.

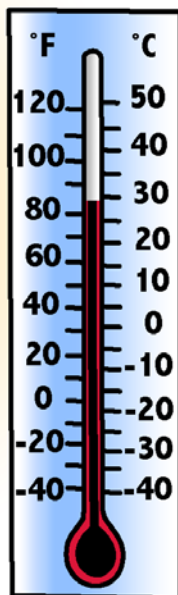
length



weight

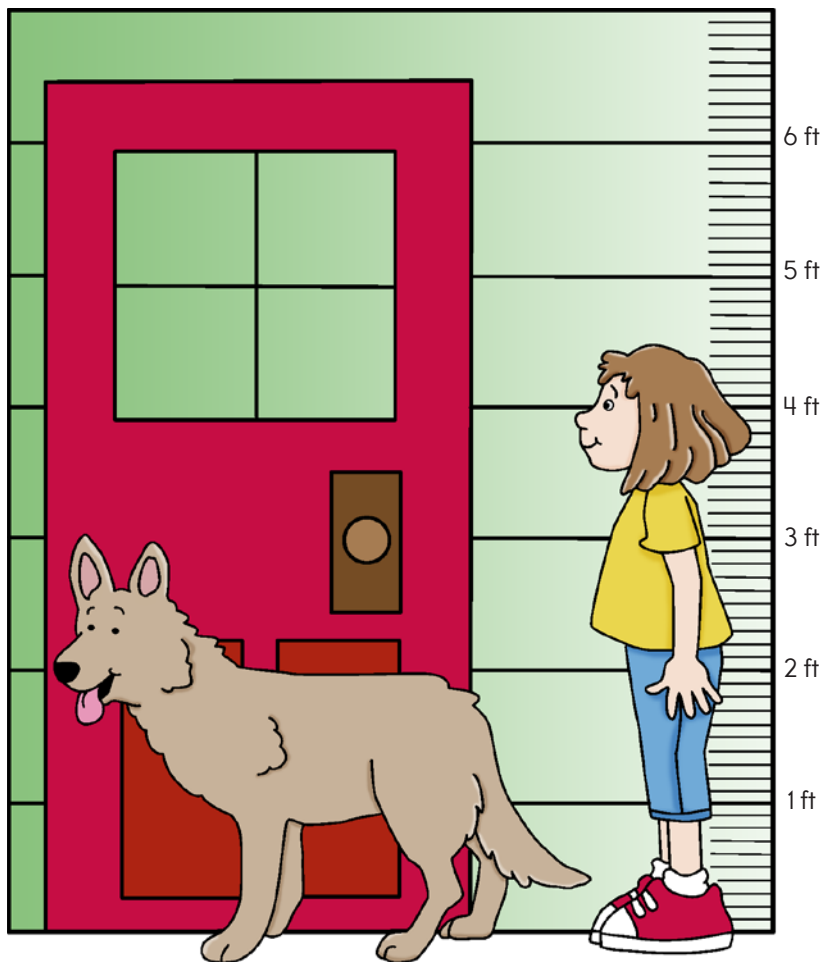


temperature



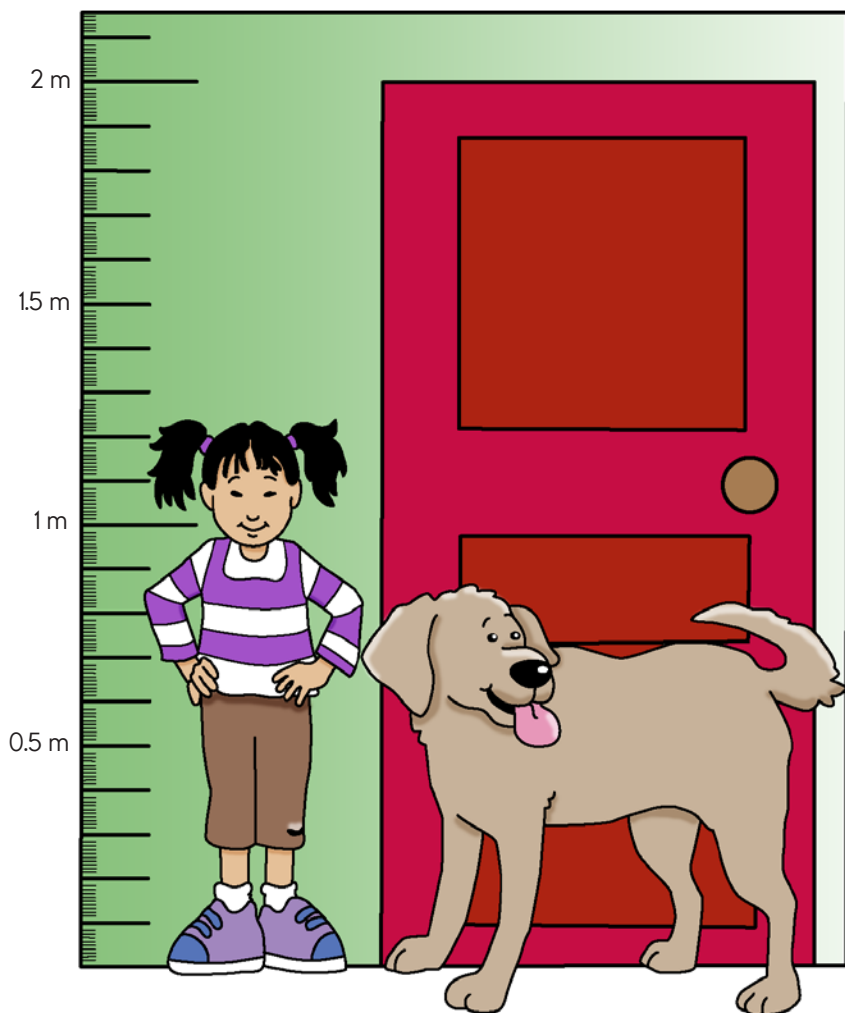
volume





How Tall Are You?

Lisa measures her **height** in feet and inches. There are 12 inches in one foot. Lisa is 4 feet, 5 inches tall.



Magda measures how tall she is in meters. There are 3.28 feet in one meter. Magda is 1.23 meters tall (or 123 centimeters tall).

How Much Do You Weigh?

Lisa measures how much she **weighs** in pounds and ounces.
There are 16 ounces in one pound.
Lisa weighs 75 pounds, 2 ounces.

1 bag peanuts = 1 pound



3 ketchup packets = 1 ounce



2 chocolate bars = 90g = 0.2 pounds



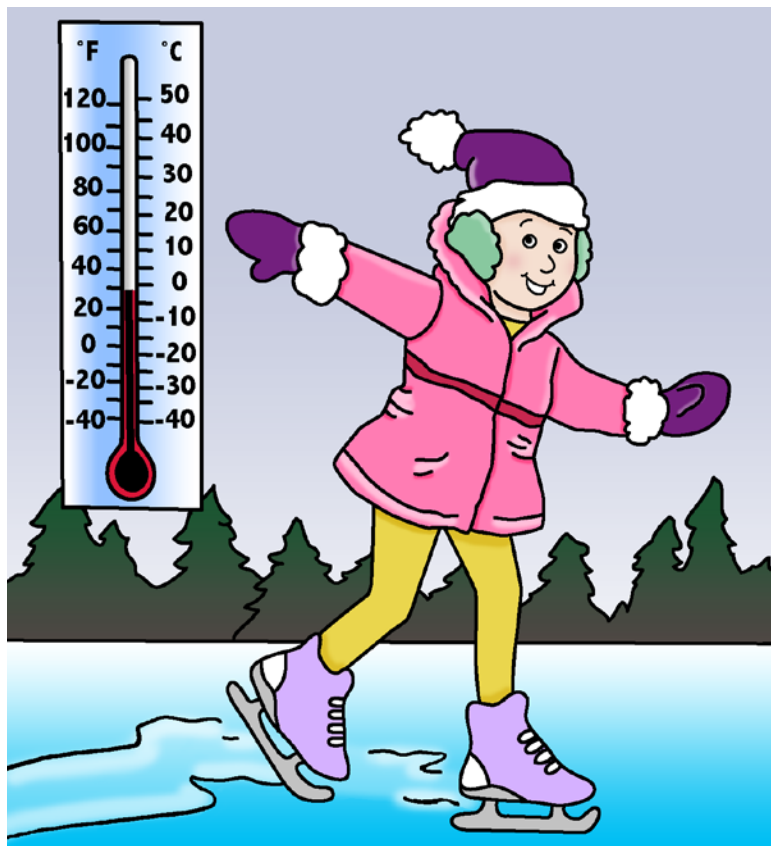
+

2 bags peanuts = 908 g
= 2 pounds



= 1 kilogram = 2.2 pounds

Magda measures how much she weighs in kilograms. There are 2.2 pounds in one kilogram. Magda weighs 26 kilograms.



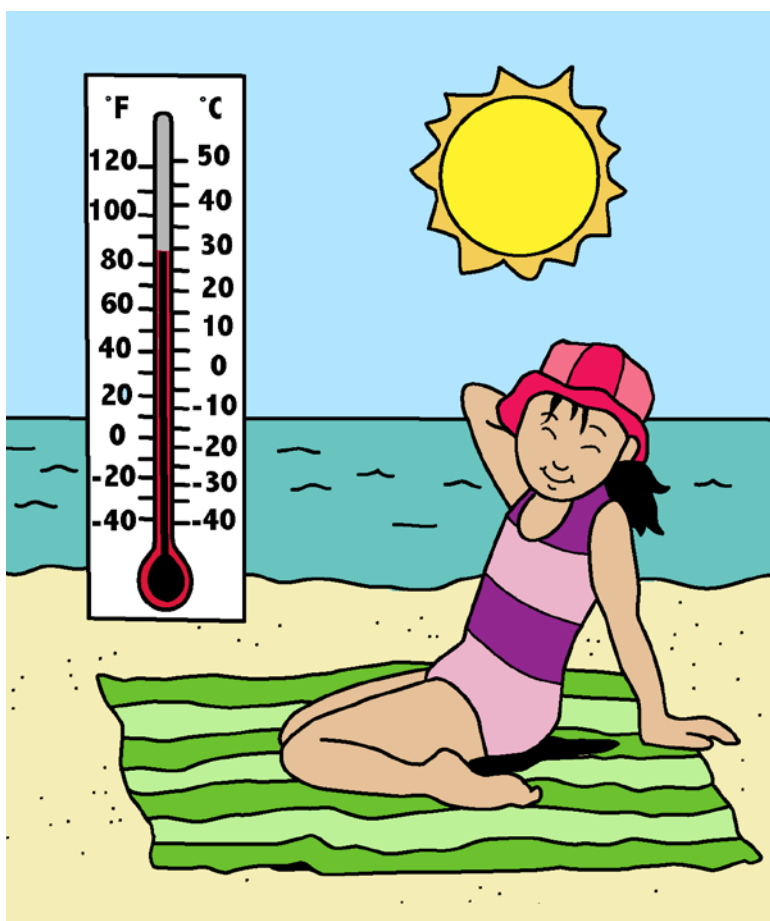
What Is the Temperature?

Lisa measures the **temperature** in degrees Fahrenheit.

When it is 28 degrees Fahrenheit outside, Lisa wears her heavy coat and goes ice-skating. It's winter!

Magda measures the temperature in degrees Celsius.

When it is 28 degrees Celsius outside, Magda wears her bathing suit and goes to the beach. It's summer!



Making Cookies

When Lisa makes cookies, she measures the flour, butter, and sugar in cups.

She measures the baking soda, salt, and vanilla in teaspoons.





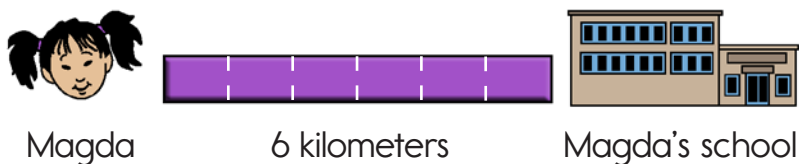
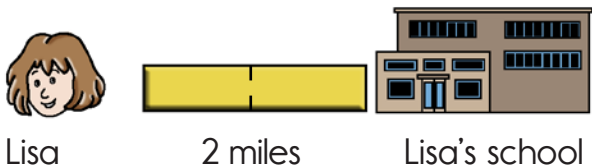
Magda measures the flour, butter,
and sugar in grams.

She measures the baking soda, salt,
and vanilla in milliliters.

How Far Is It to School?

Lisa lives 2 miles from her school.
Magda lives 6 kilometers from her school. There are 0.62 miles in one kilometer.

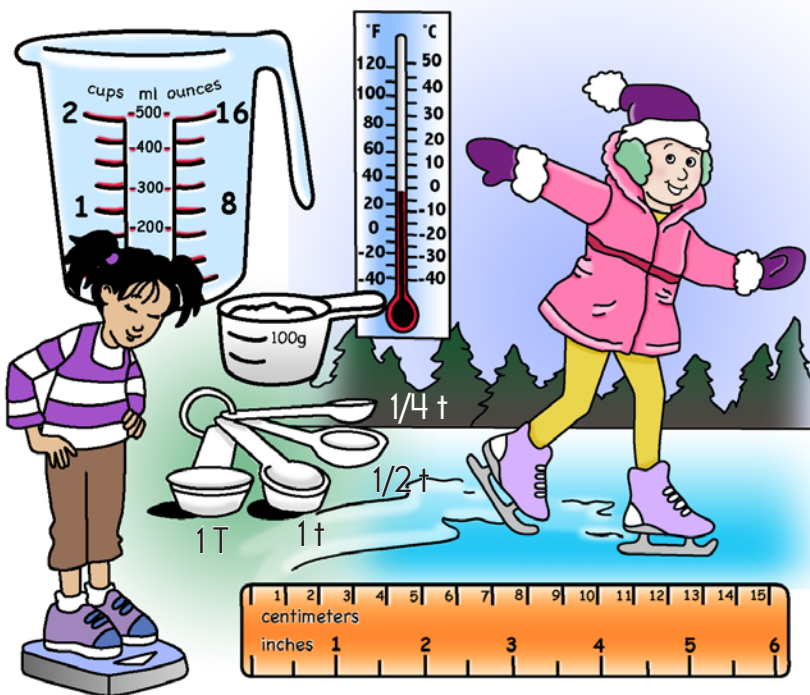
Who lives closer to her school,
Lisa or Magda?



Math Minute

0.62 miles = 1 kilometer,

_____ miles = 6 kilometers



Conclusion

Lisa uses the English system to measure things. Magda uses the metric system.

Both girls can measure height, weight, temperature, cookie ingredients, and **distance**. They just do it differently.

Glossary

distance	the amount of space between things or places (p. 15)
English	from England (p. 5)
height	how high the top of something is from the ground (p. 6)
measure	to find the number that tells the size of something (p. 5)
metric	the system that measures things in groups of ten (p. 5)
system	a group of things or ideas that work together (p. 5)
temperature	how hot or cold something or someplace is (p. 10)
weights	having a certain amount of heaviness (p. 8)

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