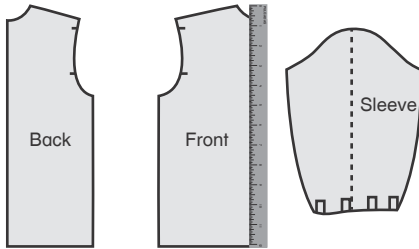


Name \_\_\_\_\_

Pick a Project

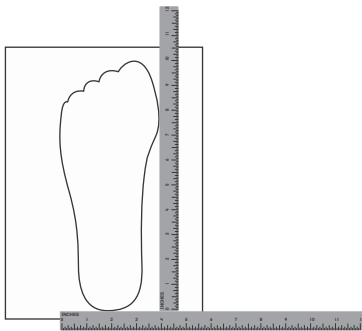
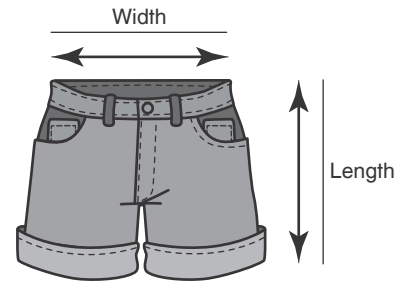
Project 12A

## Measure to Design



Measurements are used to design clothing patterns. A shirt needs to be long and wide enough for a person to wear. Inches can be used.

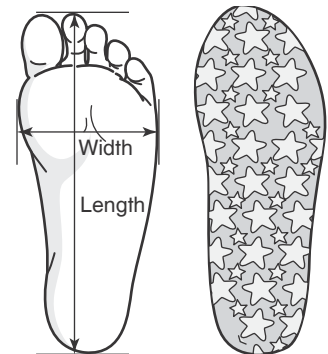
Shorts are popular during the summer. A person needs to measure the length and width of the front and back of shorts to design them.



A person's foot has a length and a width. Socks can stretch. The size of sock a person wears depends on the size of his or her foot.

## Your Project Measure Feet and Create Sock Designs

Trace and measure the length and width of your right foot in inches. Be sure to measure the widest part of the foot. Do the same for two of your classmates. Cut out the drawing of each foot and tape it on top of an index card. Record the measurements to the nearest inch. Draw and color a design for each foot that could be used for a new style of sock! Display your work.



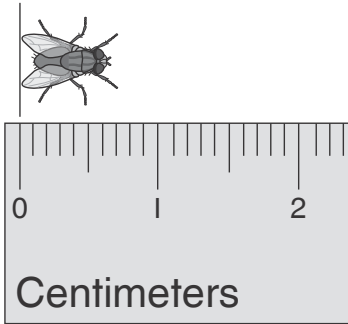
This foot is  
\_\_\_\_ in. long  
\_\_\_\_ in. wide

Name \_\_\_\_\_

Pick a Project

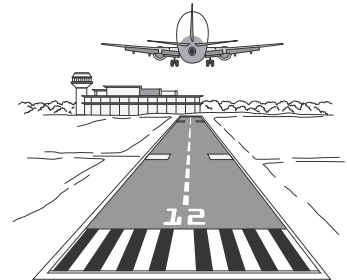
Project 12B

# Making Measurements



Some units of measurement are small. We use inches, centimeters, and millimeters to measure the length of small things, like seeds and insects.

Units like feet, yards, and meters are better for measuring longer or taller things. An airport runway can be 3,000 meters long.

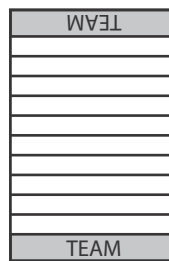


Very long distances are measured with miles and kilometers. A marathon race is 26 miles long.

## Your Project Compare the Measurements of Sports Fields

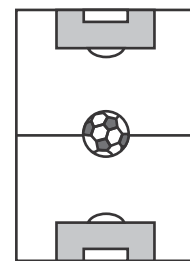
Choose two kinds of sports fields or courts, like a football field and a soccer field. Find the length and width of each in feet or yards. Some field measurements can vary. Draw a picture of each field or court. Use labels to show the lengths and widths. Write an equation to find the difference in the lengths. Write another equation to find the difference in the widths.

Football Field



\_\_\_ yards wide

Soccer Field



\_\_\_ yards wide

Write equations. How do the fields compare?

Length: \_\_\_\_\_

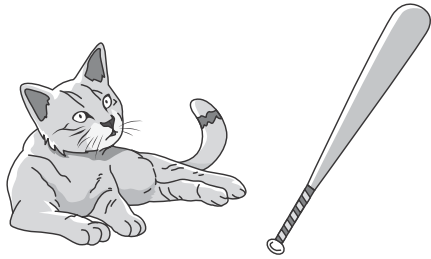
Width: \_\_\_\_\_

Name \_\_\_\_\_

Pick a Project

Project 12C

## Rhyme Time



Words that rhyme have the same sound at the end. The words *cat* and *bat* rhyme. Each ends with *at*.

*Snow* and *toe* rhyme. The letters at the ends of these words are different, but the sound is the same.



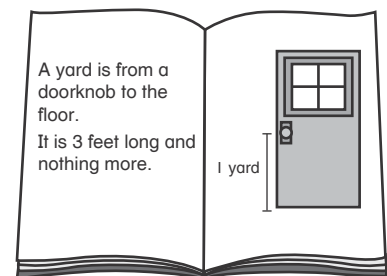
Rhymes can help you remember math ideas. This is part of a rhyme about doubles facts:

One and one are two.  
One for me and one for you.  
Two and two are four.  
That's a couple more.

## Your Project Create a Booklet of Measurement Rhymes

Write rhymes to help you remember how units of measure relate. Use this information:

- 12 inches = 1 foot
- 3 feet = 1 yard
- 36 inches = 1 yard
- 100 centimeters = 1 meter



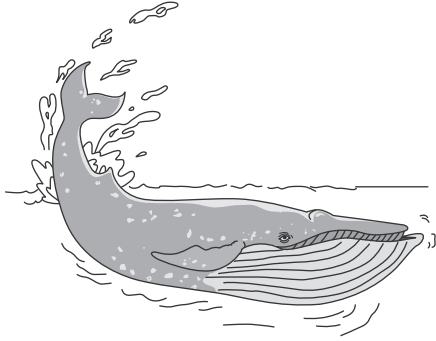
Make a booklet with a page and a picture for each rhyme.  
Share your rhymes with your friends.

Name \_\_\_\_\_

Pick a Project

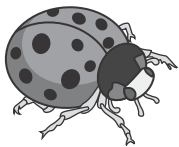
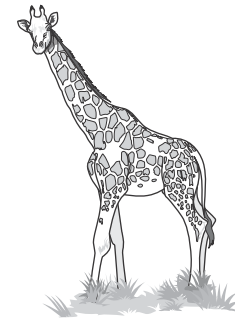
Project 12D

# How Long or How Tall?



Animals and insects come in all shapes and sizes. A blue whale can be 100 feet long.




An adult male giraffe can be up to 19 feet tall. That is taller than 4 small children standing on each other's shoulders!



A ladybug is less than 1 inch long. The length of 2 or 3 ladybugs is equal to the length of a paper clip!

## Your Project Make a Poster of Snake Lengths

Research 3 different types of snakes. Find out how long each one can be. Show what you learned on a poster. Draw a picture of the snakes and write their names and lengths. Then measure and cut pieces of string to be the same length as each snake in feet. Find the difference between the lengths of the longest and the shortest snakes. Tape the strings to the poster so everyone can see the lengths.

The longest snake here is the _____.		
The shortest snake here is the _____.		
The difference in their length is _____ feet.		
		
Garter Snake About _____ feet long	Rattlesnake About _____ feet long	Coral Snake About _____ feet long
