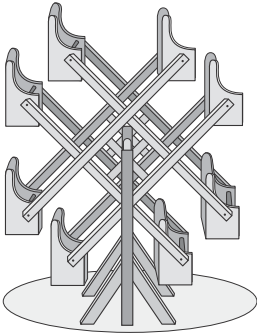


Name _____

Pick a Project

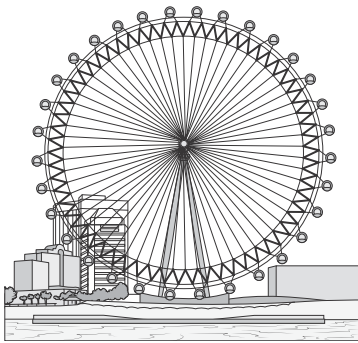
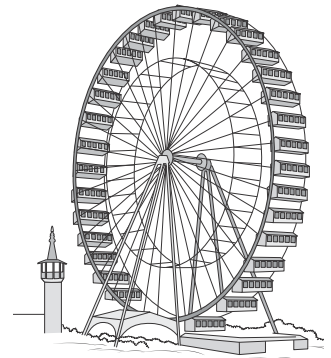
Project 14A

Ferris Wheels



Have you ever been on a Ferris wheel? Long ago, this ride was made of wood. Someone strong had to turn the wheel by hand.

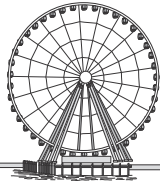
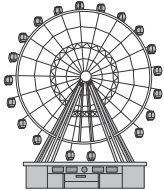
In 1893, George Ferris made the kind of Ferris wheel we ride today. It was made of steel and turned by a motor. A ride cost 50¢ in 1893.



Today, many fairs have a Ferris wheel. Big cities do, too. Visitors like to see a city from high above.

Your Project Write a Ferris Wheel Story

Find the heights of two big Ferris wheels, like the Orlando Eye and the Great Wheel in Seattle. Find the difference in the heights of the Ferris wheels. Show your work. Then write a story about riding the Ferris wheels and include pictures. Label the pictures with the height of each ride.

<p>Great Wheel Seattle, Washington</p>  <p>_____ feet</p>	<p>Orlando Eye Orlando, Florida</p>  <p>_____ feet</p>
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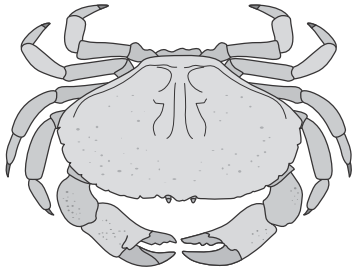
_____ ○ _____ = _____ feet

Name _____

Pick a Project

Project 14B

Getting Buggy!



Arthropods are animals that have many jointed legs and a segmented body. Crabs, millipedes, and spiders are all arthropods.

Insects are living things. All insects have 3 body parts, 2 antennae, and 6 legs.



Fossils have been found of dragonflies that were 27 inches across. That is more than 2 feet long!

Your Project Make Insect Drawings

Find out how long the world's longest stick bug is. Find out how long the world's longest millipede is. Write the measurements in centimeters. Make drawings of the insects that are their real size. Circle the insect that is longer. Find out how much longer it is.

_____ centimeters

_____ centimeters

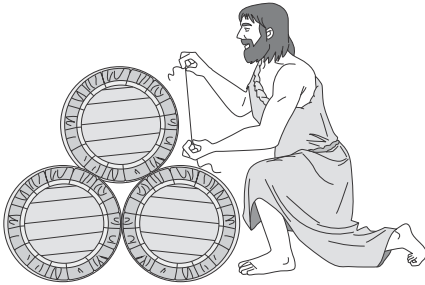
_____ - _____ = _____ centimeters longer

Name _____

Pick a Project

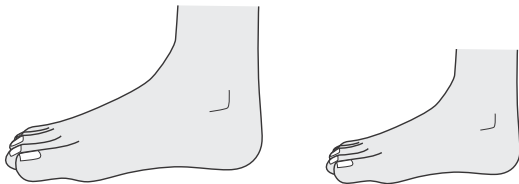
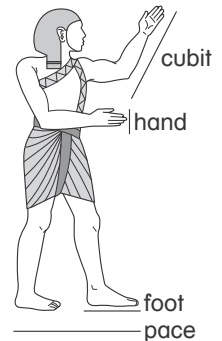
Project 14C

Measurement Tools



A long time ago, people did not have rulers, scales, or clocks. But they still needed to measure.

Length was measured using parts of the body. An object might have been *2 arm lengths* or *3 hand widths* tall.



One person's foot might have been longer than another person's foot. It may have been difficult to know how long or tall an object really was.

Your Project Make a Measurement Poster

Find at least three objects to measure. Measure the objects using three different parts of your body. Make a poster. Draw pictures and write the names of the objects. Show the parts of your body you used to measure. Write the measurements of each object. Write which object measures the most units and which measures the fewest units. Find the difference between the longest and shortest lengths of your objects.

book



2 hand widths
1 shin long
6 thumbs long

cat



4 hand widths
2 shins long
9 thumbs long

table



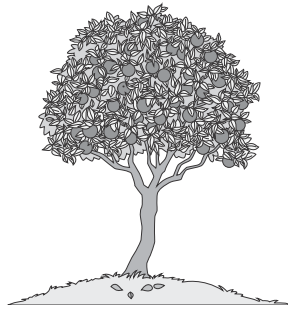
8 hand widths
3 shins long
15 thumbs long

Name _____

Pick a Project

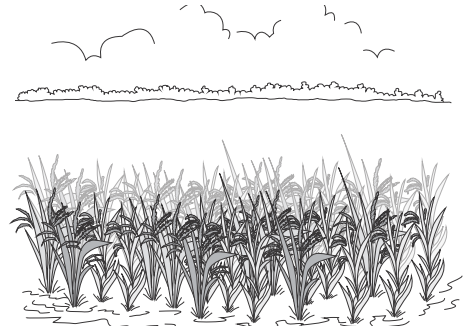
Project 14D

Growing Food



California is known for growing oranges. They are grown on trees in large fields called groves.

Rice is a food that is eaten by many people around the world. It is grown in a flat field that is filled with water.

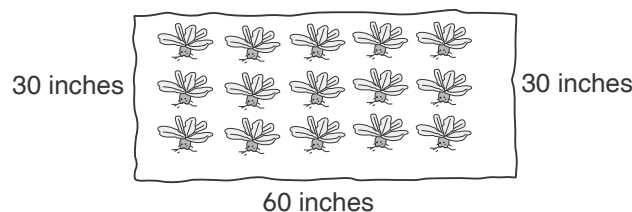


Pineapples are a fruit. They grow out of the ground. Each plant grows only one pineapple.

Your Project Draw a Garden Plan

Draw a plan of a garden that can be used to grow food. Make it in the shape of a rectangle. The long sides need to be at least 10 inches longer than the short sides. Label the length of each side. Write what kind of food you would grow in it. Do research to learn how that food is grown. Write an equation to find how many inches of fence you would need to go around the garden.

A Carrot Garden
60 inches



$$\underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad} \text{ inches}$$