

## **Week of May 3**

### **Second Grade Measurement Math Lessons**

Here is the schedule for our Measurement Math lessons for the week of May 3. Included are images from the Envisions Math curriculum, worksheets, and small projects.

- Monday, May 4
  - Look at 15.5 Envisions Review Images **p. 2**
  - Complete Centimeter and Meter Sort Activity **p. 3 - 5**
- Tuesday, May 5
  - Look at 15.6 Envisions Review Images **p. 6**
- Wednesday, May 6
  - Look at 15.7 Envisions Review Images **p. 7**
  - Complete 15.7 Envisions Guided Practice Worksheet **p. 8**
- Thursday, May 7
  - Look at 15.8 Envisions Review Images **p. 9**
  - Complete Comparing Lengths Project **p. 10 - 11**
    - \*If you do not have a ruler at home, you can refer back to last week's math instruction to print and use the inches ruler that is included there.
- Friday, May 8
  - Look at 15.9 Envisions Review Images **p. 12**
  - Complete Robot Measurement Project **p. 13 - 19**
    - \*If you do not have a ruler at home, you can again refer back to the ruler included in last week's instruction. You may print, cut, and measure the included robot parts, or make and measure your own.

MONDAY, MAY 4

- Look at 15.5 Envisions Review Images
- Complete Centimeter and Meter Sort Activity

15.5 Envisions Review Images

A long step is about 1 meter (m) long.

There are 100 centimeters in 1 meter!

Estimate and measure!

Estimate: about 3 cm

Measure: about 2 cm

You can use a ruler or a meterstick to measure length.

The button is about 1 centimeter (cm) long.

Use the Recording sheet (on p. 5) to choose which objects should be measured in **centimeters** and which objects should be measured in **meters**. You do not need to print the pictures of the objects - you can just look at the pictures to help you decide.

# Centimeter



© 2015 K5 Education. All rights reserved.

# Meter



© 2015 K5 Education. All rights reserved.

## Length of binoculars



© 2015 K5 Education. All rights reserved.

## Length of library



© 2015 K5 Education. All rights reserved.

## Length of pinwheel



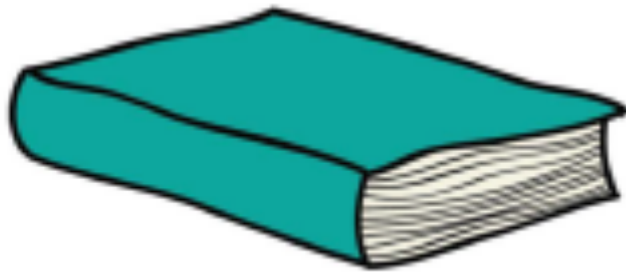
© 2015 K5 Education. All rights reserved.

## Length of dock



© 2015 K5 Education. All rights reserved.

Length of book



© 2016 E. Ego Publishing, LLC. All rights reserved.

Length of playground



© 2016 E. Ego Publishing, LLC. All rights reserved.

Length of whistle



© 2016 E. Ego Publishing, LLC. All rights reserved.

Length of basketball court



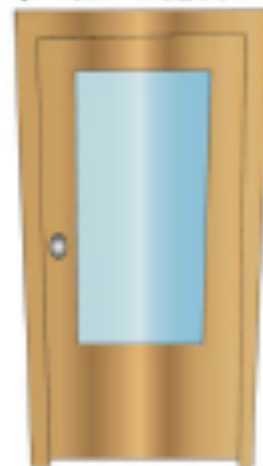
© 2016 E. Ego Publishing, LLC. All rights reserved.

Length of hand



© 2016 E. Ego Publishing, LLC. All rights reserved.

Length of the classroom door



© 2016 E. Ego Publishing, LLC. All rights reserved.

Name \_\_\_\_\_

Date \_\_\_\_\_

What is the Best Unit of Measurement?

Centimeter	Meter
1.	1.
2.	2.
3.	3.
4.	4.
5.	5.
6.	6.
7.	7.
8.	8.

TUESDAY, MAY 5

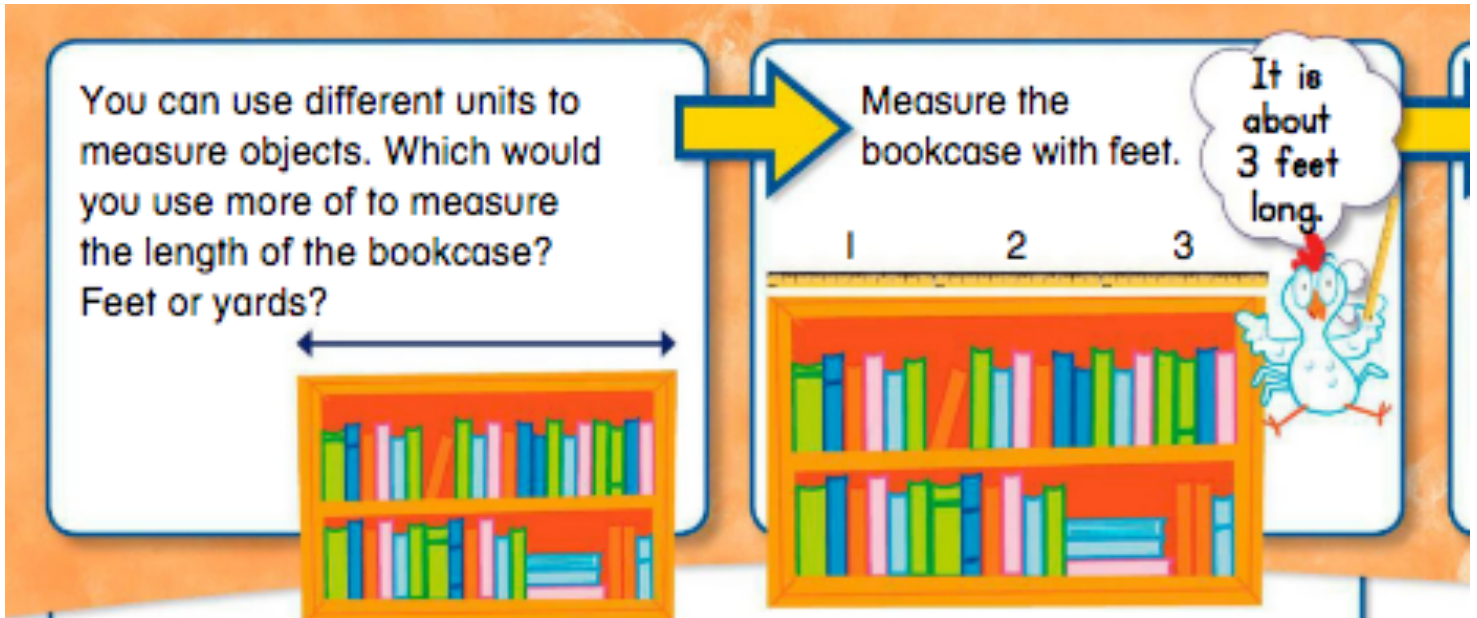
- Look at 15.6 Envisions Review Images

### 15.6 Envisions Review Images

You can use different units to measure objects. Which would you use more of to measure the length of the bookcase? Feet or yards?

Measure the bookcase with feet.

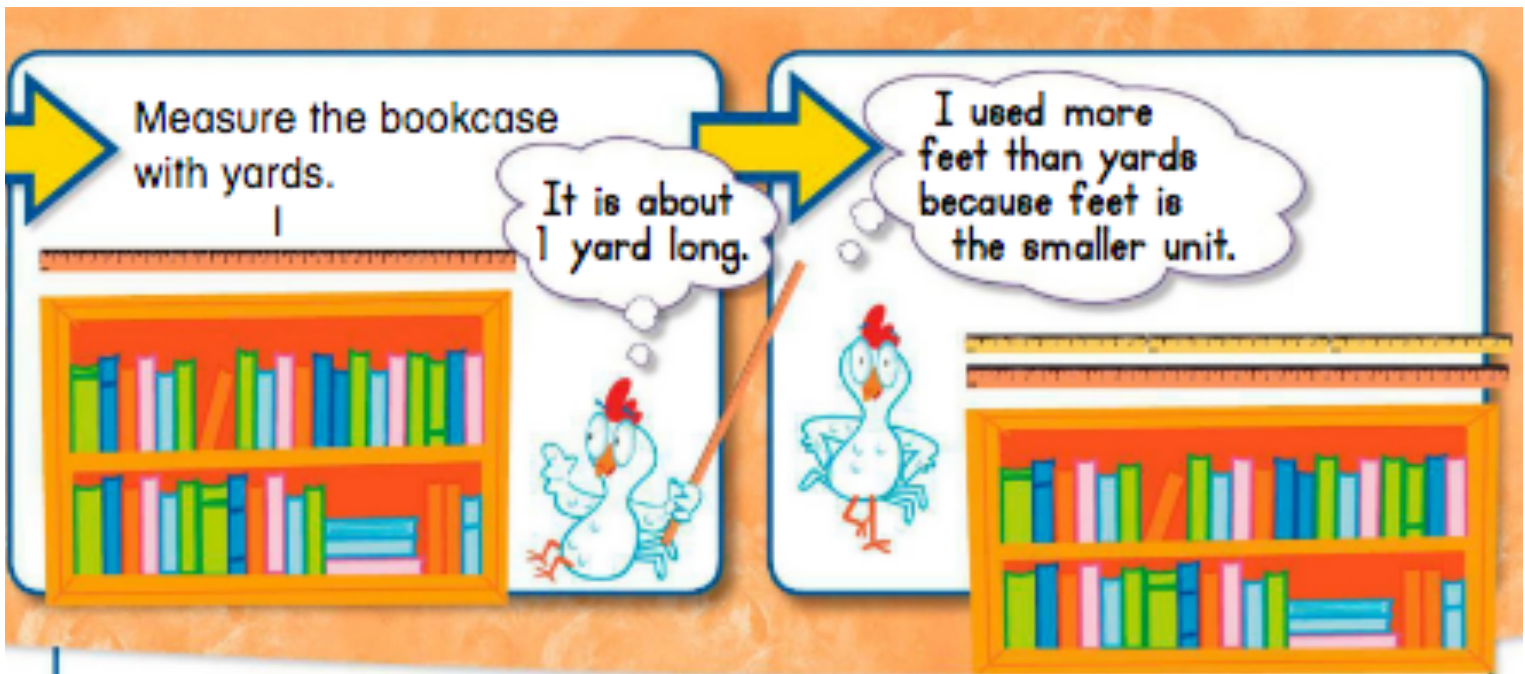
It is about 3 feet long.



Measure the bookcase with yards.

It is about 1 yard long.

I used more feet than yards because feet is the smaller unit.



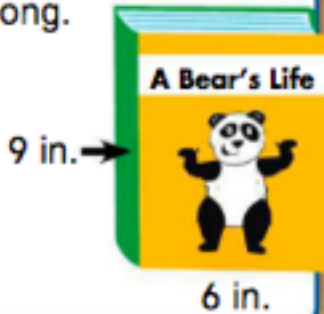
WEDNESDAY, MAY 6

- Look at 15.7 Envisions Review Images
- Complete 15.7 Envisions Guided Practice Worksheet

15.7 Envisions Review Images

One side of this book is 9 inches long and the other side of this book is 6 inches long.

What is the distance around the cover of the book?



You can add the lengths of all four sides to find the distance around the cover.

$$9 + 6 + 9 + 6 = ?$$
$$9 + 6 + 9 + 6 = 30$$

The distance around the cover of the book is 30 inches.

A cartoon panda character is pointing to a thought bubble. Inside the bubble, the following calculations are shown:  
 $9 + 9 = 18$   
and  $6 + 6 = 12$   
 $18 + 12 = 30$

How much longer is the teacher's arm than the child's arm?



You can subtract to compare measurements.

$$66 - 47 = ?$$

$$\begin{array}{r} 5\ 16 \\ 66 \\ -47 \\ \hline 19 \end{array}$$

The teacher's arm is 19 centimeters longer than the child's arm.

## Guided Practice

Write a number sentence to help you solve each problem.

1. What is the distance around the baseball card?

$$10 + 7 + 10 + 7 = 34$$

Distance around: 34 cm



10 cm

7 cm

2. What is the distance around the puzzle?

\_\_\_\_\_

Distance around: \_\_\_\_\_ in.

15 in.



12 in.

3. How much longer is the red scarf than the blue scarf?

\_\_\_\_\_

\_\_\_\_\_ in. longer

60 in.



45 in.



**Do you understand?** Did you use the same operation to solve Exercises 2 and 3? Explain.

Circle One :

Yes

No

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

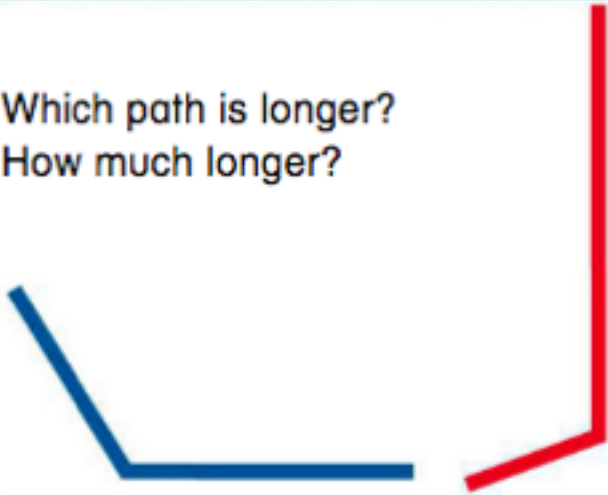


THURSDAY, MAY 7

- Look at 15.8 Envisions Review Images
- Complete Comparing Lengths Project

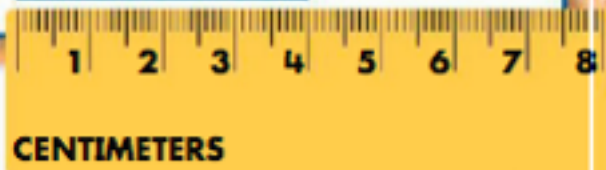
15.8 Envisions Review Images

Which path is longer?  
How much longer?




One part is about 3 cm.  
The other part is about 4 cm. Add  $3 + 4$  to find the length.

$3 + 4 = 7$   
The blue path is about 7 cm long.


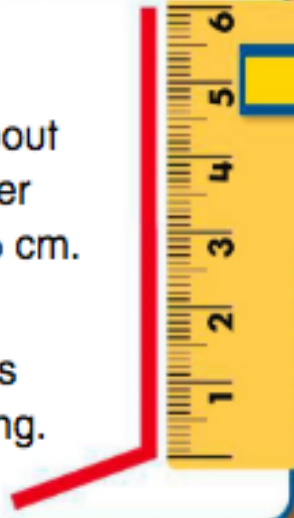


CENTIMETERS



Guided Practice


One part is about 2 cm. The other part is about 6 cm.  
 $6 + 2 = 8$   
The red path is about 8 cm long.



CENTIMETERS

$8 - 7 = 1$ .  
The red path is 1 cm longer than the blue path.

You can subtract to compare lengths. The blue path is about 7 cm long. The red path is about 1 cm longer.





# Comparing Lengths



For this project you will use a standard measuring tool to measure the length of different objects in your home.

## Requirements:

- Use a standard measuring tool, such as a tape measure or ruler, to measure the length of five different objects in your home to the nearest inch.
- Draw the five objects in order from shortest to longest. Label each object with its name and measurement.
- Find the difference in length between the shortest and longest object you measured. Show your work.

Name : \_\_\_\_\_

## Comparing Lengths Project

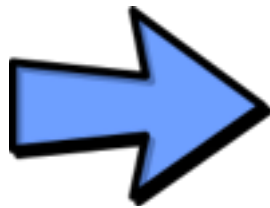
First, measure 5 objects.

Object Name	Length (in inches)
1.	
2.	
3.	
4.	
5.	

Next, draw a picture of each object in the box, and write the name of the object on the line. Put these objects in order from smallest to largest.



Smallest



Largest

Next, find the difference in length between the shortest object and the longest object that you measured. Show your work below.

$$\underline{\quad\quad} - \underline{\quad\quad} = \underline{\quad\quad}$$

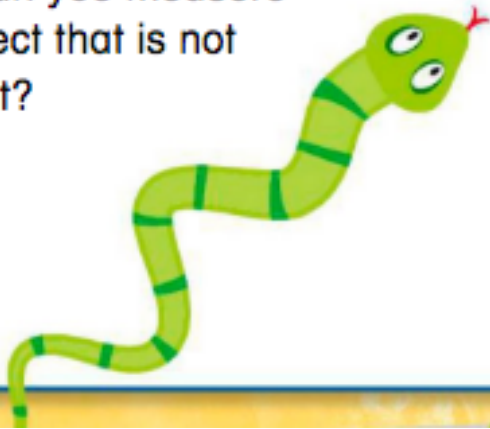
FRIDAY, MAY 8

- Look at 15.9 Envisions Review Images
- Complete Robot Measurement Project

15.9 Envisions Review Images

**Read and Understand**

How can you measure an object that is not straight?



**Plan**

In lesson 15-2, you used a ruler to measure straight objects.

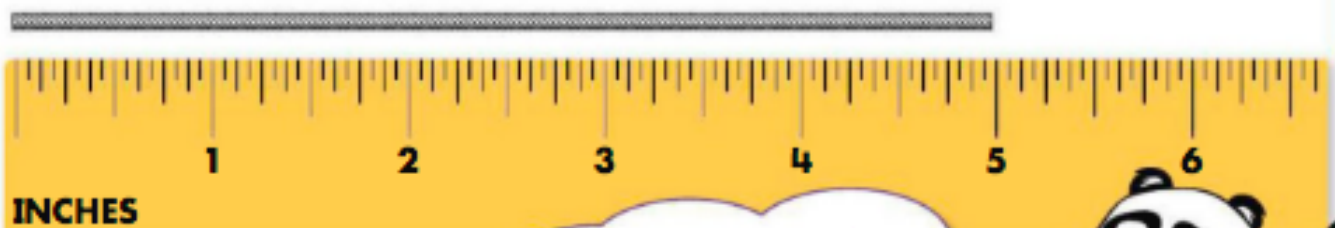


String can help you measure objects that are not straight.



**Solve, Look Back, and Check**

The snake is about 5 inches long.



You can straighten the string and measure the length with a ruler.



# Project Instructions

1. Choose your parts and create your robot.



2. Estimate the length of your parts in inches and centimeters.



3. Measure your robot in inches and centimeters

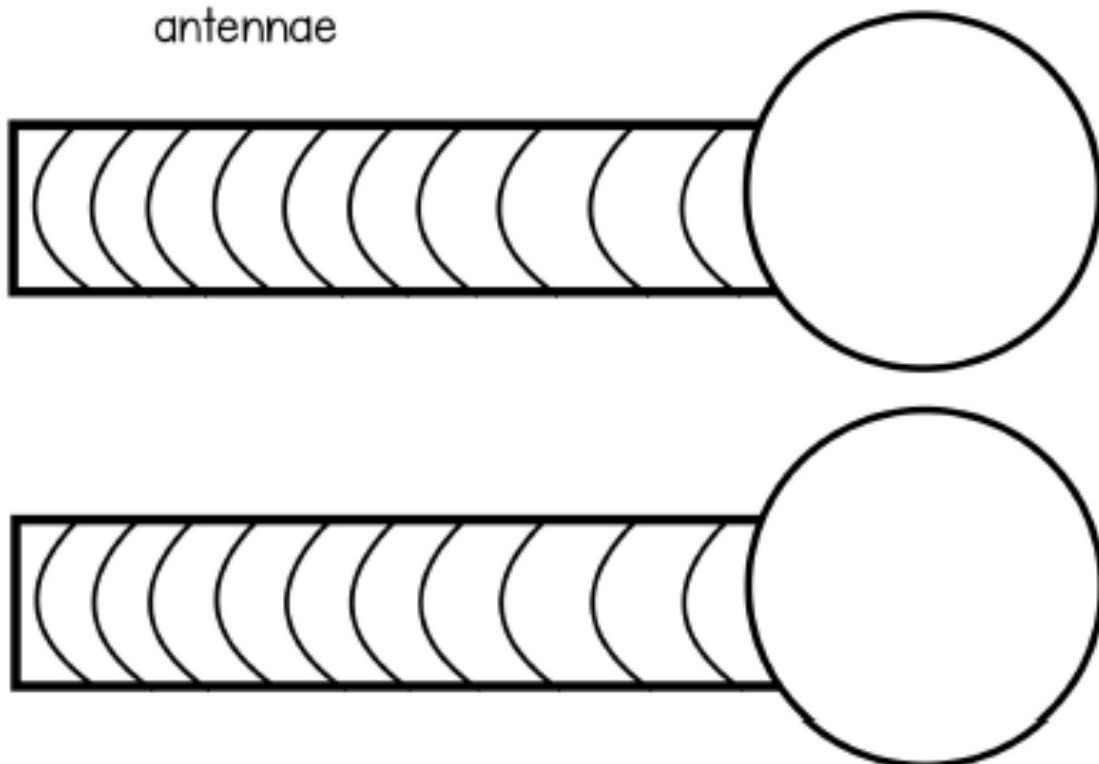


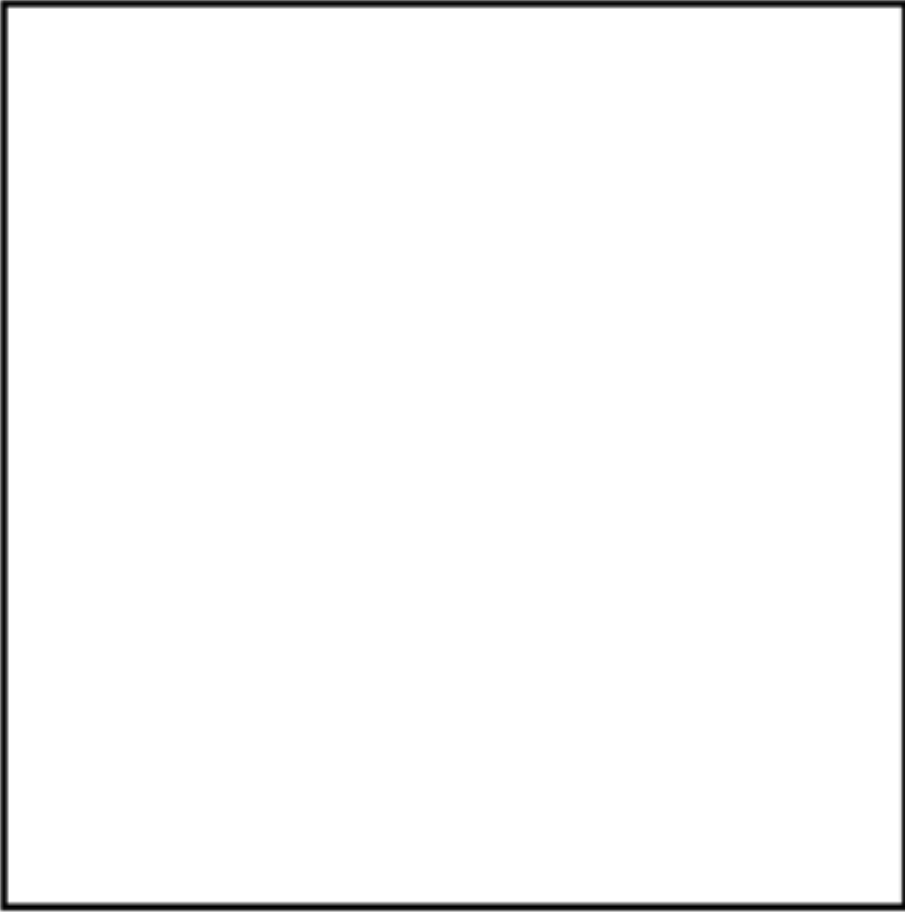
4. Add details and decorate your robot.



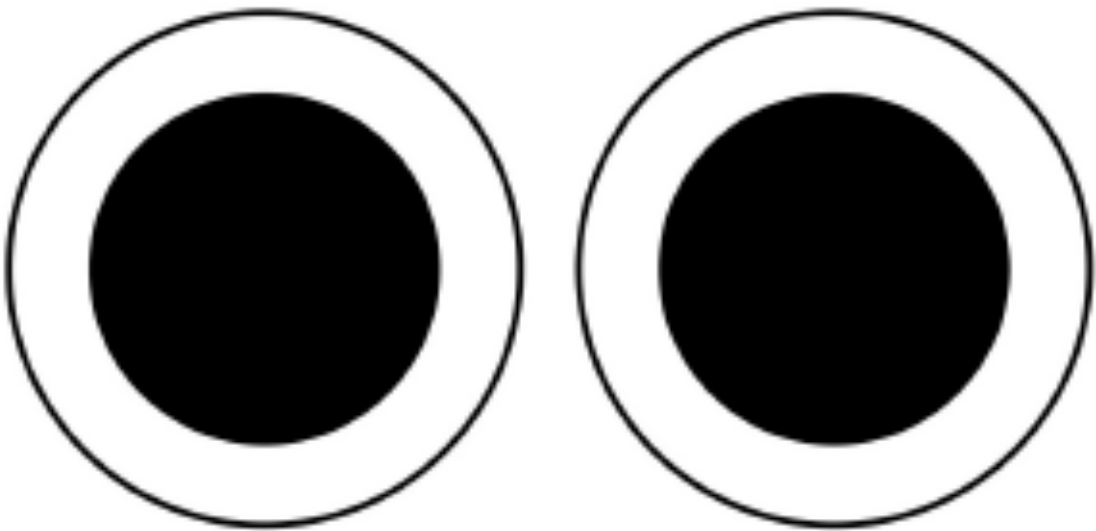
Copyright © 2019 ThePrimaryDiary

antennae

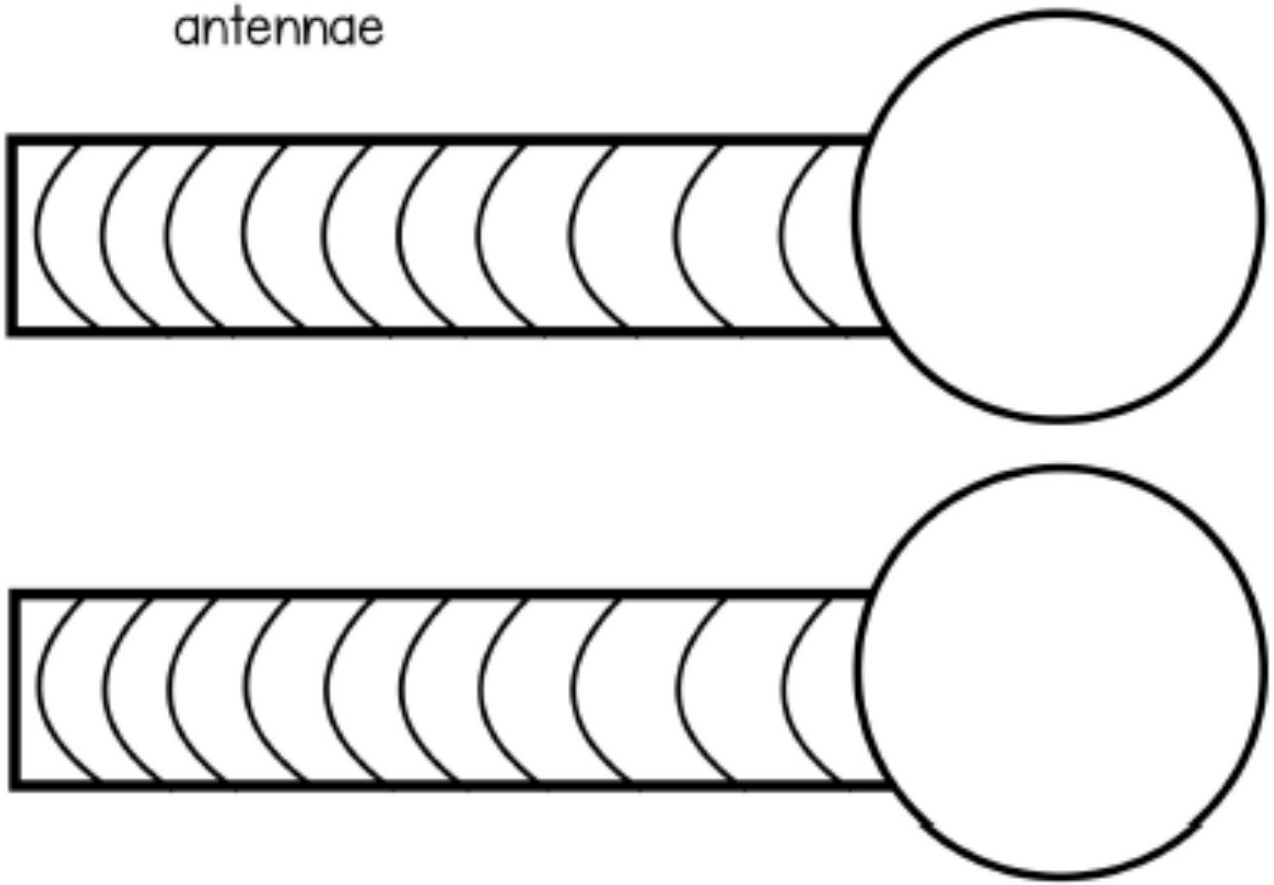




eyes



antennae



neck



hands or feet 1





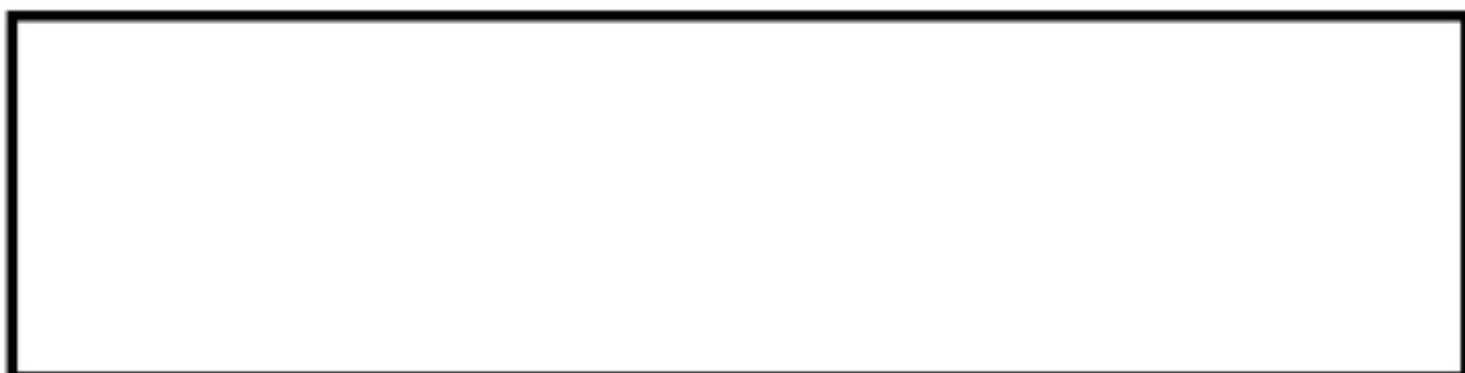
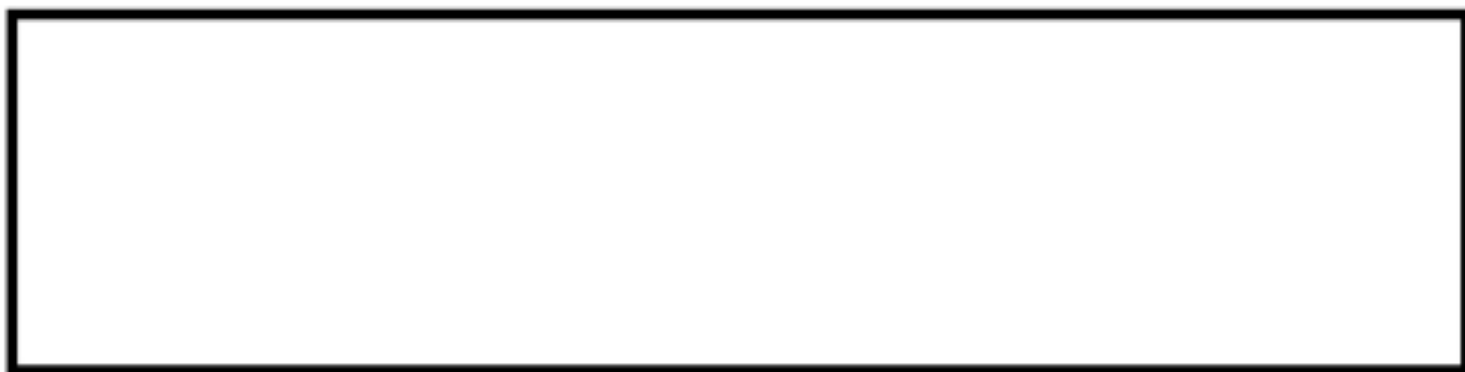
hands or feet |



arms or legs |

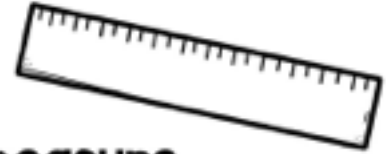


arms or legs I



# My Robot's Measurements

by: \_\_\_\_\_



## estimate

	inches	centimeters
head		
body		
arm		
leg		
foot		

## measure

	inches	centimeters
head		
body		
arm		
leg		
foot		

1. How much longer is your robot's body than your robot's head?  
\_\_\_\_\_
2. How much shorter is your robot's foot than your robot's head?  
\_\_\_\_\_
3. Look at the measurements in inches and centimeters. Why are the measurements different numbers?

---

---

---