### Name ________________________________  Date ________________

<table>
<thead>
<tr>
<th>Classroom Object</th>
<th>Length Using Centimeter Cubes</th>
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<tbody>
<tr>
<td>glue stick</td>
<td>_____ centimeter cubes long</td>
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<tr>
<td>dry erase marker</td>
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<td>popsicle stick</td>
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Lesson 4: Express the length of an object using centimeter cubes as length units to measure with no gaps or overlaps.  

Date: 7/30/13

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Measure the length of each object’s picture with your cubes. Complete the statements below.

1. The pencil is ______ centimeter cubes long.
2. The pan is ______ centimeter cubes long.
3. The shoe is ______ centimeter cubes long.
4. The bottle is ______ centimeter cubes long.
5. The paintbrush is ______ centimeter cubes long.
6. The bag is ______ centimeter cubes long.
7. The ant is ______ centimeter cubes long.
8. The cupcake is ______ centimeter cubes long.
9. The cow sticker is ______ centimeter cubes long.

10. The vase is ______ centimeter cubes long.

11. Circle the picture that shows the correct way to measure.

   - [ ] 3 centimeter cubes
   - [ ] 5 centimeter cubes

How would you fix the picture that shows an incorrect measurement?
Name _________________________________ Date _______________

1. The picture frame is about ______ centimeter cubes long.

2. The boy’s crutch is about ______ centimeter cubes long.
Name ________________________________  Date ______________

Measure the length of each object’s picture with your cubes.

Complete the statements below.

1. The lollipop is ______ centimeter cubes long.

2. The stamp is ______ centimeter cubes long.

3. The purse is ______ centimeter cubes long.

4. The candle is ______ centimeter cubes long.

5. The bow is ______ centimeter cubes long.

6. The cookie is ______ centimeter cubes long.

7. The mug is ______ centimeter cubes long.

8. The ketchup is about ______ centimeter cubes long.

9. The envelope is about ______ centimeter cubes long.
10. Circle the picture that shows the correct way to measure.

A

3 centimeter cubes

B

4 centimeter cubes

C

4 centimeter cubes

D

4 centimeter cubes

Explain what is wrong with the measurements for the pictures you did NOT circle.
*Write the missing number.*

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Number correct: 30
### Lesson 5 Sprint 1.3

**Lesson: Rename and measure with centimeter cubes, using their standard unit name of centimeters.**

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**Name ___________________________**

**Date ___________________________**

*Write the missing number.*

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Lesson 5 Problem Set

Name __________________________ Date __________________

1. Circle the objects that are measured correctly.
   
   A
   
   3 centimeters long

   B
   
   5 centimeters long

   C
   
   4 centimeters long

2. Measure the paperclip (B) with your cubes.

   The paperclip is _________ centimeter cubes long.
   
   Check your cubes along your ruler. How long is the paperclip in centimeters?
   
   The paperclip is _________ centimeters long.
   
   Be ready to explain why these are the same or different during the Debrief!

   Use centimeter cubes to measure the pictures from left to right.
   Write a statement about the length of each picture in centimeters.

   3. The hamburger picture is _________ centimeters long.

   4. The hotdog picture is _________ centimeters long.

   5. The bread picture is _________ centimeters long.
Use centimeter cubes to measure the objects below. Fill in the length of each object.

The eraser is about _______ centimeters long.

The hair clip is about _______ centimeters long.

The key is about _______ centimeters long.

The marker is about _______ centimeters long.

The pen is about _______ centimeters long.

6. The eraser is longer than the __________________ but it is shorter than the __________________.

Circle the word that makes the second sentence true.

7. If a paper clip is shorter than the key, then the marker is longer/shorter than the paper clip.
Lesson 5 Exit Ticket

Name __________________________ Date _______________

Use the centimeter cubes to measure the items and complete the sentences.

1. The water bottle is about ______ centimeters tall.

2. The melon is about ______ centimeters long.

3. The screw is about ______ centimeters long.

4. The umbrella is about ______ centimeters tall.
Justin collects transportation stickers. Use the centimeter cubes from your teacher to measure Justin's stickers. Complete the sentences about Justin's stickers.

The motorcycle sticker is ______ centimeters long.  
The car sticker is ______ centimeters long.

The fire truck sticker is ______ centimeters long.

The row boat sticker is ______ centimeters long.  
The airplane sticker is ______ centimeters long.
Use the stickers' measurements to list the stickers of the row boat, the airplane, and the fire truck from longest to shortest. You can use drawings or names to list the stickers.

Longest  \rightarrow  Shortest

Fill in the blanks to make the statements true. There may be more than one correct answer.

1. The airplane sticker is longer than the _______________ sticker.

2. The row boat sticker is longer than the _______________ sticker and shorter than the _______________ sticker.

3. The motorcycle sticker is shorter than the _______________ sticker and longer than the _______________ sticker.

4. If Justin gets a new sticker that is longer than the row boat, it will also be longer than which of his other stickers? _______________
1. Order the bugs from longest to shortest by writing the animal names on the lines. Use centimeter cubes to check your answer. Write the length of each bug in the space below the pictures.

The bugs from longest to shortest are

Fly: ___ centimeters
Caterpillar: ___ centimeters
Bee: ___ centimeters

2. Order the objects below from shortest (1) to longest (3) by writing the number next to the object name. Use your centimeter cubes to check your answer and complete the sentences.

The noise maker: ___
The balloon: ___
The present: ___

The present is about ________ centimeters long.
The noise maker is about ________ centimeters long.
The balloon is about ________ centimeters long.
The noise maker is about ___ centimeters longer than the present.
Order, measure, and compare the length of objects before and after measuring with centimeter cubes, solving compare with difference unknown word problems.

3. Peter’s toy T-rex is 11 centimeters tall, and his toy velociraptor is 6 centimeters tall. How much taller is the T-rex than the velociraptor?

4. Miguel’s pencil rolled 17 centimeters and Sonya’s pencil rolled 9 centimeters. How much less did Sonya’s pencil roll than Miguel’s?

5. Tania makes a cube tower that is 3 centimeters taller than Vince’s tower. If Vince’s tower is 9 centimeters tall, how tall is Tania’s tower?
Lesson 6 Exit Ticket

Name ____________________________  Date __________

Read the measurements of the tool pictures.

The wrench is 8 centimeters long.

The screwdriver is 12 centimeters long.

The hammer is 9 centimeters long.

Order the pictures of the tools from shortest to longest.

_________________  ___________________  ___________________

Diana bought her dad a new tool that was 6 centimeters longer than the screwdriver. Use your centimeter cubes to find out how long the new tool is. Draw a picture and complete the statement.

The new tool is ______ centimeters long.
Natasha’s teacher wants her to put the fish in order from longest to shortest. Measure each fish with the centimeter cubes that your teacher gave you. Then, use the letters to put the fish in order from longest to shortest.

Order Fish A, B, and C from longest to shortest.

A ______ centimeters.

B ______ centimeters.

C ______ centimeters.

D ______ centimeters.

E ______ centimeters.

Order Fish A, B, and C from longest to shortest.

_______   _______
Lesson 6 Homework

Use the fish measurements to complete the sentences.

Fish A is longer than Fish _______ and shorter than Fish _______.

Fish C is shorter than Fish_________ and longer than Fish _______.

Fish _______ is the shortest fish.

If Natasha gets a new fish that is shorter than Fish A, list the fish that the new fish is also shorter than.

Use your centimeter cubes to model each length and answer the question.

1. Henry gets a new pencil that is 19 centimeters long. He sharpens the pencil several times. If the pencil is now 9 centimeters long, how much shorter is the pencil now than when it was new?

2. Malik and Jared threw baseballs at the park. Malik threw his baseball 6 centimeters less than Jared threw his baseball. If Jared threw his baseball 17 centimeters, how far did Malik throw his baseball?