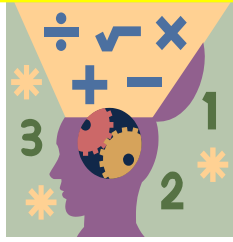


Name: \_\_\_\_\_

Section: \_\_\_\_\_



### Homework

Hello Scholars and Parents. During class this week, scholars will research different types of bridges. They will determine their similarities and differences. Scholars will understand the forces acting on each bridge. Scholars will work on their STEM project and engineer a bridge using provided material. The research and final bridge is due on Friday May 20<sup>th</sup>. Please feel free to contact me with any questions or concerns at [morales.zervos@archimedean.org](mailto:morales.zervos@archimedean.org).

### Extra Practice

Additional practice for the daily lesson is available on Archie. To access the worksheets, please have your child login into Archie. Click on Resources, select courses, then My Courses. From there, you will see a drop down menu of each class. Go to American Math and click on Resources. There you will see worksheets for each section in the chapter.

Scholars can practice the daily lesson by completing assigned lessons for each topic on IXL.

### Notes

**Completed homework packets should be uploaded or turned in on Monday May 23<sup>rd</sup>.** Students must prove and show all their work. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on Archimedean Cinemath. Please feel free to contact me with any questions or concerns at [morales.zervos@archimedean.org](mailto:morales.zervos@archimedean.org).

Monday                      May 16<sup>th</sup>      – Measurement conversions Page 1

Tuesday                      May 17<sup>th</sup>      – Measurement conversions Page 2

Wednesday                      May 18<sup>th</sup>      – Measurement conversions Page 3

Thursday                      May 19<sup>th</sup>      – Finish the bridge research and engineering process

Friday                      May 20<sup>th</sup>      – Finish the bridge research and engineering process

<u>Monday</u> May 16 <sup>th</sup>	<u>Tuesday</u> May 17 <sup>th</sup>	<u>Wednesday</u> May 18 <sup>th</sup>	<u>Thursday</u> May 19 <sup>th</sup>	<u>Friday</u> May 20 <sup>th</sup>

## Measurement Conversions Review

Convert the given measurements to new units.

1) 5 km =  m

2) 600 cm =  m

3) 8 cm =  mm

4)  km = 4000 m

5)  m = 900 cm

6) 120 mm =  cm

7) 7 km =  m

8) 14 cm =  mm

9) 12 m =  cm

10)  km = 13,000 m

Use greater than (>), less than (<) or equals (=) to compare the amounts.

1) 1200 m  1 km

2) 620 cm  7 m

3) 8m  750 cm

4) 82 mm  7 cm

5) 45 mm  5 cm

6) 1300 cm  13 m

7) 900 m  9 km

8) 12 cm  120 mm

Name \_\_\_\_\_

Date \_\_\_\_\_

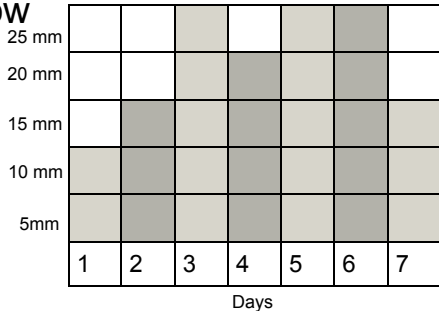
### **Measurement Word Problems Involving Units Length**

1. While driving, Mac sees a sign that says 123 kilometers to a diner. How many meters is it to the diner?
  
2. If Brock has walked 13 meters towards his destination measuring a total of 47 meters, how many centimeters does he need to travel more?
  
3. Fred walked 15 kilometers last week and Jean walked 28 kilometers. How many meters did both Fred and Jean walk last week?
  
4. Chelsea's plank is three meters long and twenty-three wide. What is the area of Chelsea's plan in centimeters?
  
5. Harry is two kilometers away from Gary. If Gary had travelled seven hundred meters, how many meters does Harry need to travel to get to Gary?
  
6. To travel a hundred meters Gary takes a cab and travels eighty meters, how many more centimeters does he need to travel?
  
7. A cheetah can run 120 kilometers in a minute. How many centimeters can a cheetah run in a minute?



Measurement Conversion Word Problems - Length/Distance

1. Zach made a chart to show how many mm his plant grew each week for 7 weeks. Each block equals 5 mm of growth. How tall is the plant?



\_\_\_\_\_ millimeters

2. Susie begins a new walking program with 600 m on the first day. Each day, she will increase her walk by 200 m. How many kilometers will she walk on day 18 of her program?

\_\_\_\_\_ kilometers

3. Trudy wants to surround her garden on all four sides with fencing. Her rectangular garden is 270 m by 130 m long. How many meters of fencing will she need?

\_\_\_\_\_ meters

4. Joe is training for the 50 meter dash. Each day that he trains, he runs the dash six times. Last week, he trained for four days. This week, he trained for five days. In two weeks, how far has Joe run?

\_\_\_\_\_ kilometers

5. Lu is stringing beads to make a necklace. She is using 30 of the 8 mm beads, 70 of the 4 mm beads, and 40 of the 2 mm beads. How long will her finished necklace be?

\_\_\_\_\_ millimeters

6. Mara is building a wind chime. She needs string in the following lengths: six pieces of 40 cm, 3 pieces of 30 cm and one piece of 70 cm. How much string does she need?

\_\_\_\_\_ meters