3rd Grade Week 7: May 11-15 Math

Parent Directions for 3rd Grade Math Instrucciones Para Padres Para Matemáticas De 3er Grado May 11-15

Monday/Lunes

Chapter 10 Lesson 9: Liquid volume and mass

In this lesson, your student will use models to solve liquid volume and mass problems.

Have your student watch the following videos:

Understanding volume (liters) | Math | 3rd grade | Khan Academy https://www.khanacademy.org/math/cc-third-grade-math/imp-measurement-and-data/imp-volume/v/liter-intuition

Understanding mass (grams and kilograms) | Math | 3rd grade | Khan Academy https://www.khanacademy.org/math/cc-third-grade-math/imp-measurement-and-data/imp-mass/v/intuition-for-grams

Have your student **read and do pages 611 and 612 (Skip the activity that is crossed out)**. Ask your student the guiding questions:

- How did you know how many liters were in each pitcher? Possible answer: I counted the lines on the pitcher.
- How did you know if Sadie would have tea left over? *Possible answer: I saw that the tea in the pitcher was bigger than 24 liters.*
- How did you know how many times it would take Raul to empty the fish tank? *Possible answer: I added 4+4+4...* until I got to 32.
- How did you find the total mass? *Possible answer: I added them together.*

For practice, have your student do pages 613 and 614. Ask your student the following questions:

- How do you find the total mass? Possible answer: I add/subtract the different masses.
- How do you find the total volumer? *Possible answer: I add/subtract the different volumes.*

To reinforce this concept, student will complete Lesson 10.9 Reteach page.

Capítulo 10 Lección 9: Volumen de líquido y masa

En esta lección, su estudiante utilizará modelos para resolver problemas de volumen de líquido y masa.

Haga que su alumno vea los siguientes videos:

Comprensión del volumen (litros) Matemáticas | 3er grado | Khan Academy

https://www.khanacademy.org/math/cc-third-grade-math/imp-measurement-and-data/imp-volume/v/liter-intuition Comprensión de la masa (gramos y kilogramos) Matemáticas | 3er grado | Khan Academy

https://www.khanacademy.org/math/cc-third-grade-math/imp-measurement-and-data/imp-mass/v/intuition-for-grams

Pida a su alumno que **lea y haga las páginas 611 y 612** (Omita la actividad que está tachada). Haga a su alumno las preguntas que guían:

- ¿Cómo supo cuántos litros había en cada jarra? Posible respuesta: Conté las líneas en el lanzador.
- ¿Cómo supiste si Sadie le quedaría el té? Posible respuesta: Vi que el té en la jarra era más grande que 24 litros.

^{*}Lesson 10.9 - Ms. Baruch's students answer Re-Teach pg. 10-21

^{*}Page 612 – Ms. Baruch's students answer "Try This", and 1

^{*}Page 613 - Ms. Baruch's students answer 2,4

^{*}Page 614 - Ms. Baruch's students answer 8

- ¿Cómo supiste cuántas veces le haría bien a Raúl vaciar la pecera? Posible respuesta: He añadido 4 4 4... hasta que llegué a 32.
- ¿Cómo encontraste la masa total? Posible respuesta: los añadí juntos.

Para la práctica, pida a su alumno que haga las páginas 613 y 614. Haga a su alumno las siguientes preguntas:

- ¿Cómo encuentra la masa total? Posible respuesta: Agrego/ruso las diferentes masas.
- ¿Cómo se encuentra el volumen total? Posible respuesta: Agrego/ruso los diferentes volúmenes.

Para reforzar este concepto, el alumno completará la página de Enseñanza de la Lección 10.9.

Tuesday/Martes

Today your child will complete the Chapter 10 Review/Test

Have your student do pages 617-622.

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*Page 617 - Ms. Baruch's students answer 2a - 2d,
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Hoy su hijo completará el Capítulo 10 Revisión/Prueba Haga que su estudiante haga las páginas 617-622.

Wednesday/Miercoles

Chapter 12 introduction, Two Dimensional Shapes

Have your student complete pages 695 and 696.

*Page 695 - Ms. Baruch's students answer 1-5

Introducción al capítulo 12, Dos formas dimensionales

Haga que su alumno complete las páginas 695 y 696.

Thursday/Jueves

Today, your student will complete any unfinished problems and practice math facts.

Hoy, su estudiante completará cualquier problema inacabado y practicará factos matemáticos.

Friday/Viernes

Your student will take the ATI assessment.

* Slides - Ms. Baruch's students answer 1-7

Su estudiante tomará la evaluación ATI

^{*}Page 618 - Ms. Baruch's students answer 4,5

^{*}Page 619 - Ms. Baruch's students answer 7 Part A, 9

^{*}Page 620 - Ms. Baruch's students answer 10,11

^{*}Page 621 - Ms. Baruch's students answer 16

Solve Problems About Liquid Volume and Mass

You can use a model or write an equation to solve problems about liquid volume and mass.

Tina's watering can holds 4 liters of water. Todd's watering can holds 6 liters of water. What is the total liquid volume of both watering cans?

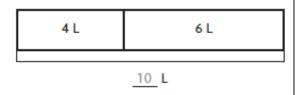
Tina's Watering Can



Todd's Watering Can



Use a bar model.



Think: Add to find the total.

$$4L + 6L = 10L$$

So, the total liquid volume is 10 L.

Write an equation.

Think: I can write an addition equation to find the sum of the liquid volumes.

So, the total liquid volume is 10 L.

Write an equation and solve the problem.

1. Kyra has a small bucket that holds 3 liters of water and a large bucket that holds 5 liters of water. Altogether, how many liters of water do the two buckets hold?



2. Rick's recipe calls for 25 grams of raisins and 40 grams of nuts. How many more grams of nuts than raisins does the recipe call for?



Name -

Solve Problems About Liquid Volume and Mass

Essential Question How can you use models to solve liquid volume and mass problems?





Unlock the Problem



A restaurant serves iced tea from a large container that can hold 24 liters. Sadie will fill the container with the pitchers of tea shown below. Will Sadie have tea left over after filling the container?







=0)

Since there are _____ equal groups of ___ you can multiply.

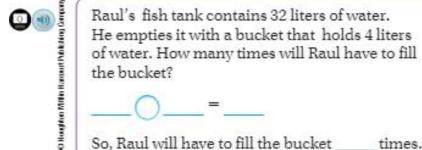
Circle the correct words to complete the sentences.

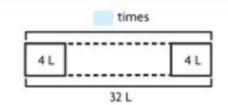
liters is greater than / less than 24 liters.

So, Sadie will / will not have tea left over.

Codin to bed Foodskerry breaps

Try This! Use a bar model to solve.





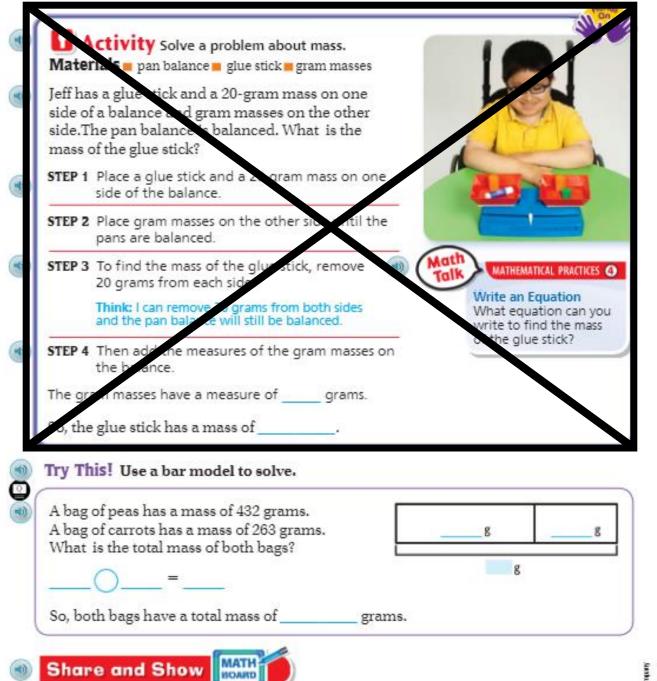


So, Raul will have to fill the bucket times.

Chapter 10 611

3rd Grade Week 7 Math





Ed's Delivery Service delivered three
 packages to Ms. Wilson. The packages have
 masses of 9 kilograms, 12 kilograms, and 5
 kilograms. What is the total mass of the three packages.

kilograms. What is the total mass of the three packages? Use the bar model to help you solve. O Houghton Mitter Hamourt Mikedeny Company

kg

kg

kg

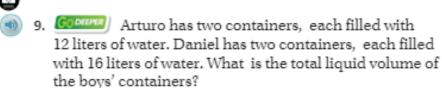
612

Chapter 10 • Lesson 9 613

3rd Grade Week 7 Math Page 8

Grape Juice

Apple Juice



10. A small jar has 3 grams of spices. A large jar has 5 grams of spices. Will 25 grams of spices be enough to make 3 small jars and 3 large jars? Show your work.

614

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Name -







1. Yul and Sarah's art class started at 11:25 A.M. The class lasted 30 minutes. Yul left when the class was done. Sarah stayed an extra 5 minutes to talk with the teacher and then left.

> Write the time that each student left. Explain how you found each time.





2. Julio measured an object that he found. It was about $\frac{3}{4}$ inch wide.

> For numbers 2a-2d, choose Yes or No to tell whether the object could be the one Julio measured.



Chapter 10 617



Dina started swimming at 3:38 P.M. She swam until 4:15 P.M. How long did Dina swim?

minutes



 Rita's class begins social studies at ten minutes before one in the afternoon. At what time does Rita's class begin social studies? Circle a time that makes the sentence true.

1:10 p.m. Rita's class begins social studies at 12:50 A.M. 12:50 p.m.



Select the objects with a mass greater than 1 kilogram. Mark all that apply.

- A bicycle
- C eraser

- (B) pen

D math book



6. A chicken dish needs to bake in the oven for 35 minutes. The dish needs to cool for at least 8 minutes before serving. Scott puts the chicken dish in the oven at 5:14 P.M.

For numbers 6a-6d, select True or False for each statement.

- 6a. Scott can serve the dish at 5:51 P.M.
- True

1:10 A.M.

- - 6b. Scott can serve the dish at 5:58 P.M.
- O True

- 6c. Scott should take the dish out of the oven at 5:51 A.M.
- True
- False

False

False

- 6d. Scott should take the dish out of the oven at 5:49 p.m.
- True
- False

618

Name



- Anthony read a book to his little brother. He started reading at the time shown on the clock. He stopped reading at 5:45 P.M.
- Part A

How long did Anthony read to his little brother?

minutes



1)

Part B

Explain how you found your answer.

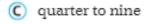




Tran checked the time on his watch after he finished his daily run.

Select the time that Tran finished running. Mark all that apply.





- B eight forty-six
- nine forty-six



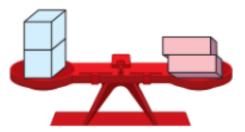
Cara uses a balance scale to compare mass.

Circle a symbol that makes the comparison true.

The mass of the blocks erasers.



the mass of the



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Chapter 10 619

620





13. Amy has 30 grams of flour. She puts 4 grams of flour in each pot of chowder that she makes. She puts 5 grams of flour in each pot of potato soup that she makes. She makes 4 pots of chowder. Does Amy have enough flour left over to make 3 pots of potato soup?

- GODEFER Use an inch ruler to measure.
- What is the length of the leaf to the nearest fourth inch?





Part B

Part A

Explain what happens if you line up the left side of the object with the 1 on the ruler.

- 15. Mrs. Park takes the 9:38 A.M. train to the city. The trip. takes 3 hours and 20 minutes. What time does Mrs. Park arrive in the city?
 - Hector buys two bags of gravel for his driveway. He buys O Hougiton Millin Harcourt Publishing Company a total of 35 kilograms of gravel. Select the bags he buys. 17 kg 19 kg 15 kg 18 kg

0

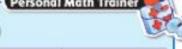
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Chapter 10 621

0



17. Ashley measures the shells she collects. She records the measurements in a chart.





Part A

Ashley found a razor clam shell this long. Use an inch ruler to measure. Record the measurement in the chart.



Number of Shells	Length in Inches
1	1
2	$2\frac{1}{2}$
3	11/2
1	2

inches



Part B

Complete the line plot to show the data in the chart. How many shells are longer than 2 inches? Tell how you know.



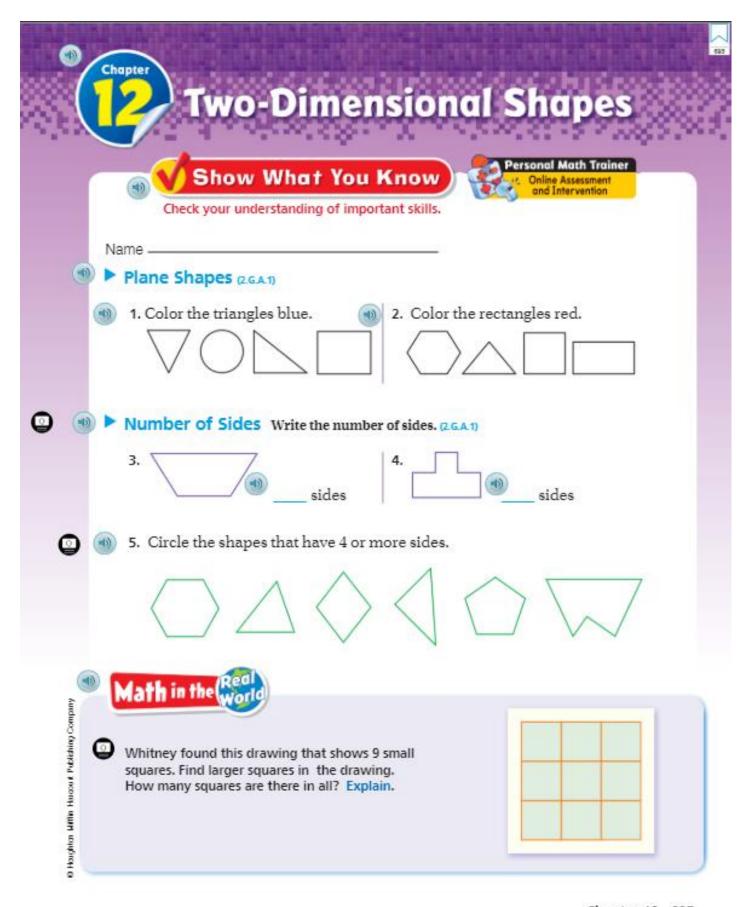
Length of Shells Measured to the Nearest Half Inch.



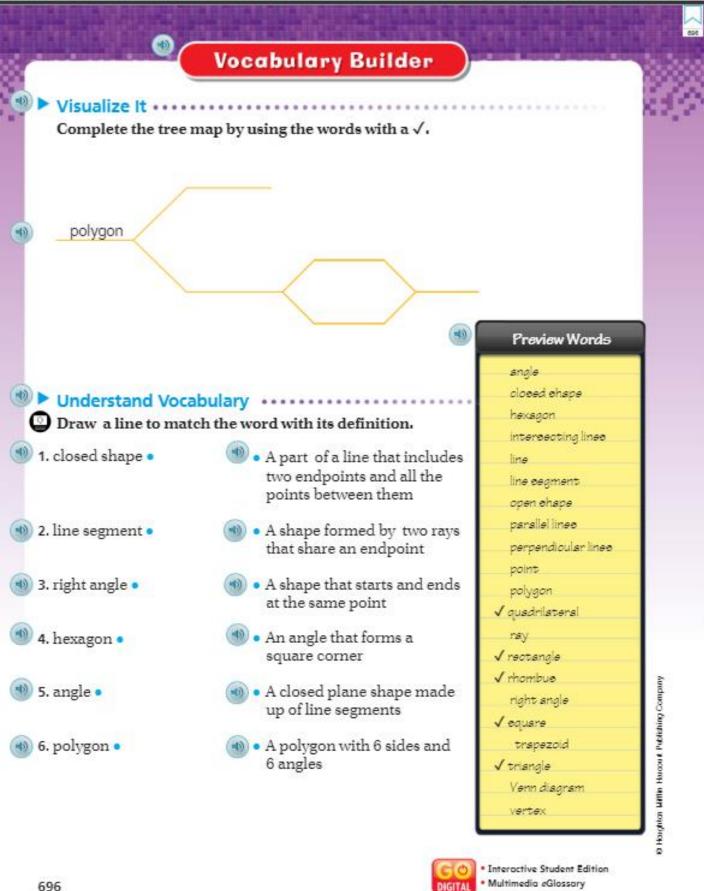
動 18. Lucy fills a bathroom sink with water. Is the amount of water more than 1 liter, about 1 liter, or less than 1 liter? Explain how you know.

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622



Chapter 12 695



3rd Grade Week 7 Math Page 17

Compare Estimates to Actual Measures

Slide 1

What You Will Learn

You will learn to compare estimations of measures to correct measures.

Side 2

Key Words

Estimate/Estimation - a guess that is somewhat close to the correct measure

<u>Length</u> - the measure of how long something is from one end to the other

Weight - the measure of how heavy something is

Temperature - the measure of how warm or cold something is

<u>U_S_ customary units</u> - the units used in the United States to measure things (e.g., inches, pounds, gallons)

Slide 4

Belinda estimated that her dog weighed 20 pounds. She weighed her dog, and it weighed 40 pounds.

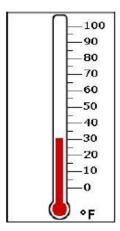
Her estimate was:

- A) too low by 20 pounds
- B) too low by 10 pounds
- c) exact
- D) too high by 20 pounds

Slide 5

Chrissy guessed the temperature was 40° F.

Was her guess correct?



- A) Her guess was 10° too low.
- B) Her guess was correct.
- c) Her guess was 10° too high.
- D) Her guess was 20° too high.

Slide 6

Jon guessed the baseball game would be over at 9:15. The clock shows when the baseball game was really over.

Was his guess correct?



- A) The game was over 10 minutes later than he guessed.
- B) The game was over 5 minutes later than he guessed.
- c) His guess was correct.
- D) The game was over 5 minutes earlier than he guessed.

Side 7

What You Learned

You learned to compare estimations of measures to correct measures.

Compare Estimates to Actual Measures Test

1) The teacher guessed the school bus would get to school at 8:00. The clock shows when the school bus really got to school.

Was his guess correct?



- A) The school bus was 5 minutes earlier than he guessed.
- B) His guess was correct.
- c) The school bus was 5 minutes later than he guessed.
- D) The school bus was 10 minutes later than he guessed.