4th Grade Week 6: May 4-8 Math

4th Grade Math Parent Directions/Instrucciones para padres

May 4th to May 8th 2020: Week 6

Monday May 4, 2020

MATH: Chapter 12: Lesson 1. Today you will use benchmarks to understand the relative sizes of measurement units. Read page 641 to begin. In the section, Unlock the problem, you are going to use benchmarks (pictures of items with their measurement) to determine if Jake's statement, his back is shorter than four yards long is correct. On the same page, read example 1 and use the benchmark customary units to answer the question: "About how much liquid is in a mug of hot chocolate? and "About how much does a grapefruit weigh?" On page 642, read Example 2 and use benchmark metric units to determine the solution to the questions: "Is the length of you classroom greater than or less than one kilometer?, "About how much medicine is usually in a medicine bottle?, About how much is the mass of a paper clip?" On page 643-644 continue to use benchmarks to answer problems 1-17.

Lunes de 4 may de 2020

MATEMÁTICAS: Capítulo 12: Lección 1. Hoy usará puntos de referencia para comprender los tamaños relativos de las unidades de medida. Lea la página 641 para comenzar. En la sección, Desbloquee el problema, usará puntos de referencia (imágenes de elementos con su medida) para determinar si la afirmación de Jake, su espalda es más corta que cuatro yardas de largo es correcta. En la misma página, lea el ejemplo 1 y use las unidades habituales de referencia para responder la pregunta: "¿Acerca de cuánto líquido hay en una taza de chocolate caliente? y "¿Cuánto pesa una toronja?" En la página 642, lea el Ejemplo 2 y use unidades métricas de referencia para determinar la solución a las preguntas: "¿La longitud de su salón de clases es mayor o menor que un kilómetro?", ¿Sobre la cantidad de medicamento que generalmente hay en un frasco de medicamentos? ¿Cuánto es la masa de un clip de papel? En la página 643-644 continúe usando puntos de referencia para responder a los problemas 1-17.

Tuesday May 5, 2020

MATH: Chapter 12: Lesson 2. Today you will use models to compare customary units of length. Read Unlock the Problem to familiarize/review the measurements of a rule and yardstick. If you have the materials, 1-inch grid paper, scissors, and tape to do the activity on page 647, just compare the squares in the Unlock the Problem. In this activity you will determine how many times a foot is larger than an inch. On page 648, read the Example which compares measures. You will make a table that relates feet and inches. Then, you will compare 4 feet and 50 inches. Using this information you will determine if Emma has enough material to make the bracelets. Continue to use customary units to solve the problems 1-13 on pages 649-650.

Martes 4 de may de 2020

MATEMÁTICAS: Capítulo 12: Lección 2. Hoy utilizará modelos para comparar unidades de longitud habituales. Lea Desbloquee el problema para familiarizarse / revisar las medidas de una regla y criterio. Si tiene los materiales, papel cuadriculado de 1 pulgada, tijeras y cinta adhesiva para realizar la actividad en la página 647, simplemente compare los cuadrados en Desbloquear el problema. En esta actividad determinará cuántas veces un pie es más grande que una pulgada. En la página 648, lea el Ejemplo que compara medidas. Harás una tabla que relaciona pies y pulgadas. Luego, comparará 4 pies y 50 pulgadas. Con esta información, determinará si Emma tiene suficiente material para hacer las pulseras. Continúe usando las unidades habituales para resolver los problemas 1-13 en las páginas 649-650.

Wednesday May 6, 2020

MATH: Chapter 12: Lesson 3 pages 653-656. Today you are going use models to compare customary units of weight. On page 653 read the Unlock the problem. For this activity you will need 2 different colored writing utensil (crayons, color pencils, highlighter, pens, or markers). In this activity you are going understand the relationship between pounds and ounces. Follow the steps of the activity to determine how many ounces are needed to make 1 pound. On page 654 you will compare measures. You will complete the table that relates pounds and ounces. Then, you will compare 90 ounces and 5 pounds to determine if Nancy has enough flour to make her pies. Continue to find the relationship between customary units of weight on page 655-656 problems 1-11.

Miércoles 6 de may de 2020

MATEMÁTICAS: Capítulo 12: Lección 3 páginas 653-656. Hoy utilizará modelos para comparar unidades de peso habituales. En la página 653, lea Desbloquear el problema. Para esta actividad, necesitará 2 utensilios de escritura de diferentes colores (crayones, lápices de colores, marcadores, rotuladores o marcadores). En esta actividad, comprenderá la relación entre libras y onzas. Siga los pasos de la actividad para determinar cuántas onzas se necesitan para hacer 1 libra. En la página 654 comparará medidas. Completará la tabla que relaciona libras y onzas. Luego, comparará 90 onzas y 5 libras para determinar si Nancy tiene suficiente harina para hacer sus pasteles. Siga encontrando la relación entre las unidades de peso habituales en la página 655-656 problemas 1-11

Thursday May 7, 2020

MATH: Use this day to catch up on any work needed to be completed. Make sure you take the time to "Sharpen the Saw". Some activities you may like to do are: draw a picture of your favorite animal, turn off all the lights and tell spooky/silly stories with your family, make a fort and/or find some materials and build an invention.

Jueves 7 de may de 2020

MATEMÁTICAS:Use este día para ponerse al día con cualquier trabajo que deba completarse. Asegúrese de tomarse el tiempo para "Afilar la sierra". Algunas actividades que le gustaría hacer son: hacer un dibujo de su animal favorito, apagar todas las luces y contar historias espeluznantes / tontas con su familia, hacer un fuerte y / o encontrar algunos materiales y construir un invento.

Friday May 8, 2020

Math: Practice your math skills you have learned throughout the year by solving and answering the questions on the attached problems at the end of your Go Math packet titled ATI Dialogs and Assessments.

Viernes 8 de may de 2020

Matemáticas: Practique sus habilidades matemáticas que ha aprendido durante el año resolviendo y respondiendo las preguntas sobre los problemas adjuntos al final de su paquete Go Math titulado Diálogos y evaluaciones ATI.

Chapter 12 Vocabulary

cup (c)

taza (tz)

18

fluid ounce (fl oz)

onza fluida (fl oz)

74

gallon (gal)

galón (gal)

3

half gallon

medio galón

-

kilometer (km)

kilómetro (km)

44

line plot

diagrama de puntos

47

liquid volume

volumen de un líquido

40

mile (mi)

milla (mi)

51

A customary unit used to measure liquid capacity and liquid volume



1 cup - 8 fluid ounces

A customary unit used to measure capacity and liquid volume 1 cup = 8 ounces



A customary unit for measuring capacity and liquid volume 1 half gallon = 2 quarts



1 half gallon

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A customary unit for measuring capacity and liquid volume 1 gallon = 4 quarts



1 gallon

A graph that records each piece of data on a number line

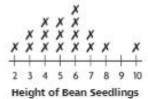
Example:

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A metric unit for measuring length or distance

1 kilometer - 1,000 meters



A customary unit for measuring length or distance

1 mile - 5,280 feet



The measure of the space a liquid occupies



Metric Units of Liquid Volume

1 liter (L) = 1,000 milliliters (mL)



Chapter 12 Vocabulary (continued)

milliliter (mL)

mililitro (mL)

millimeter (mm)

milímetro (mm)

53

ounce (oz)

onza (oz)

E0

pint (pt)

pinta (pt)

67

pound (lb)

libra (lb)

70

quart (qt)

cuarto (ct)

7/

second (sec)

segundo (seg)

83

ton (T)

tonelada (t)

92



O Haughter belite Harcont Bullithin Company Philipping Company A metric unit for measuring length or A metric unit for measuring capacity and distance liquid volume 1 liter - 1,000 milliliters 1 centimeter - 10 millimeters 1 milliliter centimeters A customary unit for measuring capacity and O theophes Affile Halourd Publishing Company A customary unit for measuring weight liquid volume 1 pound - 16 ounces 1 pint - 2 cups O thentities NWIS Handed 1 pint about 1 ounce O Hangking Stiffe Handard Patining Company A customary unit for measuring capacity and A customary unit for measuring weight liquid volume 1 pound - 16 ounces 1 quart - 2 pints about 1 pound A customary unit used to measure weight A small unit of time O thegittee Niftle Haxanti Publishing Company 1 ton - 2,000 pounds 1 minute - 60 seconds 1 second about 1 ton

Lesson 12.1

Name -



Measurement Benchmarks

Essential Question How can you use benchmarks to understand the relative sizes of measurement units?



MATHEMATICAL PRACTICES

MP1, MP2, MP3, MP7



Unlock the Problem



Jake says the length of his bike is about four yards. Use the benchmark units below to determine if Jake's statement is reasonable.



Customary Units of Length



inch







measuring length or distance. The benchmark shows the distance you can walk in about 20 minutes.

A mile is a customary unit for



A baseball bat is about one yard long. Since Jake's bike is shorter than four times the length of a baseball bat, his bike is shorter than four yards long.

So, Jake's statement reasonable.

Jake's bike is about baseball bats long.

Example 1 Use the benchmark customary units.



(b) Chamarchi/Shuterstock

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(1)



1 cup = 8 fluid ounces 1 pint 1 quart

about 1 ounce







About how much liquid is in a mug of hot chocolate?







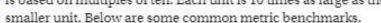


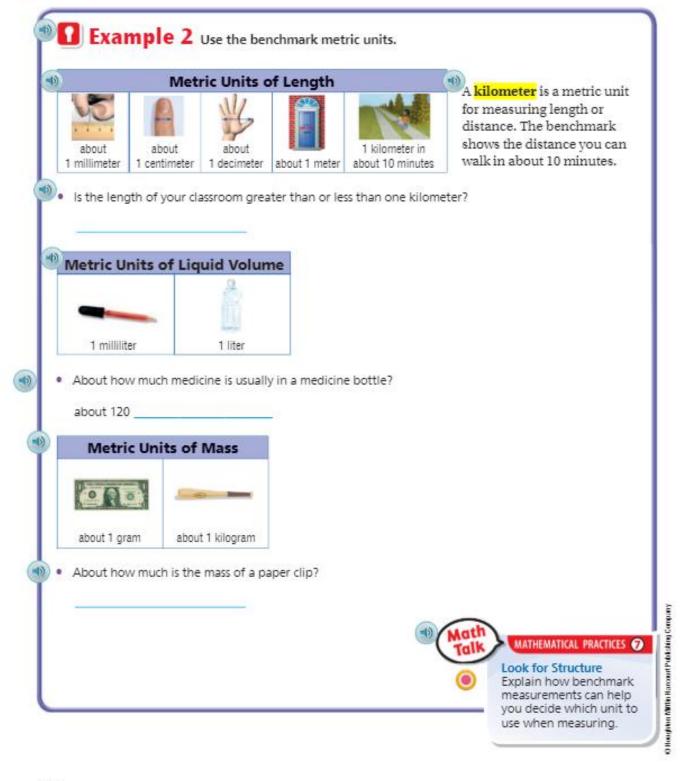
MATHEMATICAL PRACTICES (2)

Use Reasoning Use benchmarks to explain how you would order the units of weight from heaviest to lightest.

About how much does a grapefruit weigh?

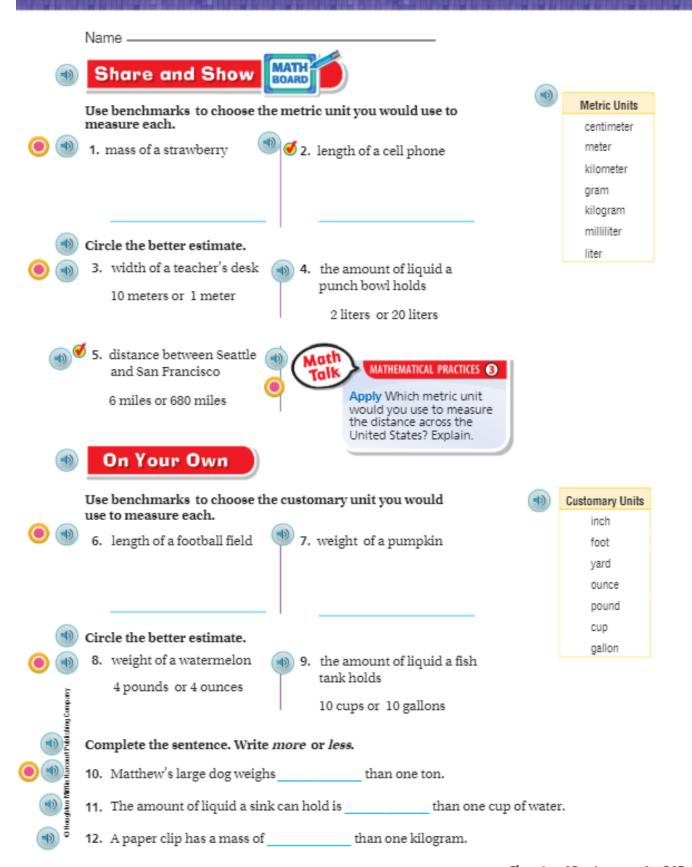






642

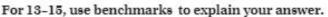




Chapter 12 • Lesson 1 643



Problem Solving • Applications





13. Cristina is making macaroni and cheese for her family. Would Cristina use 1 pound of macaroni or 1 ounce of macaroni?

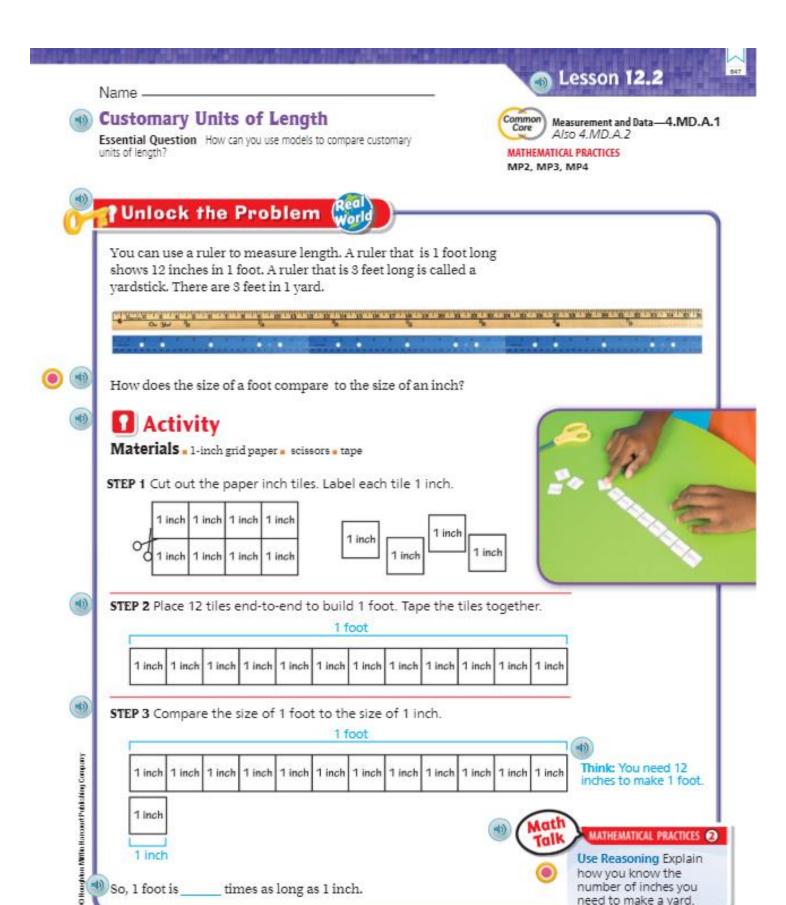




- 14. Which is the better estimate for the length of a kitchen table, 200 centimeters or 200 meters?
- 15. GODGE Jodi wants to weigh her cat and measure its standing height. Which two units should she use?
- 16. Evaluate Reasonableness Dalton used benchmarks to estimate that there are more cups than quarts in one gallon. Is Dalton's estimate reasonable? Explain.
- 17. Select the correct word to complete the sentence. Justine is thirsty after running two miles. 1 pint She should drink of water. 1 meter 10 pounds

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644



Chapter 12 647

number of inches you

need to make a yard.

4th Grade Week 6 Math Page 13

times as long as 1 inch.

So, 1 foot is

Example Compare measures.

Emma has 4 feet of thread. She needs 50 inches of thread to make some bracelets. How can she determine if she has enough thread to make the bracelets?

Since 1 foot is 12 times as long as 1 inch, you can write feet as inches by multiplying the number of feet by 12.

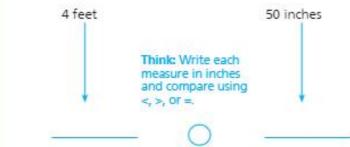
1

STEP 1 Make a table that relates feet and inches.

Feet	Inches	Think:
1	12	1 foot x 12 = 12 inches
2		2 feet × 12 =
3		3 feet × =
4		4 feet × =
5		5 feet x =



STEP 2 Compare 4 feet and 50 inches.





Emma has 4 feet of thread. She needs 50 inches of thread.

4 feet is than 50 inches.

So, Emma_____ enough thread to make the bracelets.



MATHEMATICAL PRACTICES (2)

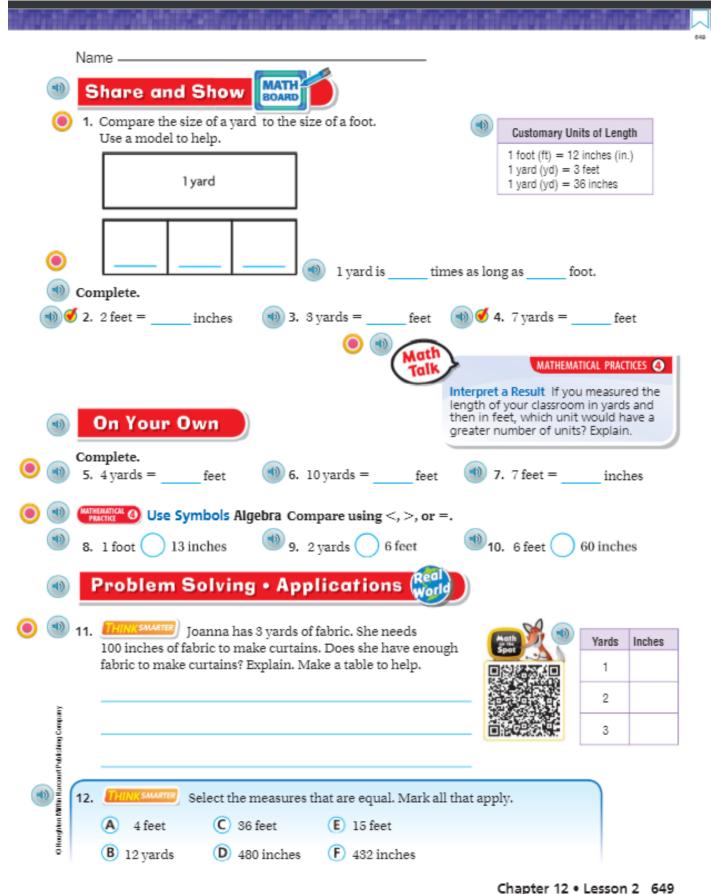
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Represent a Problem Explain how making a table helped you solve the problem.



 What if Emma had 5 feet of thread? Would she have enough thread to make the bracelets? Explain.

648



4th Grade Week 6 Math Page 15 13. GODGEFER Jasmine and Luke used fraction strips to compare

the size of a foot to the size of an inch using fractions. They drew models to show their answers. Whose answer makes sense? Whose answer is nonsense? Explain your reasoning.

Jasmine's Work	Luke's Work
1	1
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	$\frac{1}{3}$ $\frac{1}{3}$ $\frac{1}{3}$
1 inch is $\frac{1}{12}$ of a foot.	1 inch is $\frac{1}{3}$ of a foot.

•	a.	PRACTICE (S)	Apply	For the answer	that is	s nonsense,	write an	answer
		that makes s	ense.					

) b.	b.	Look back at Luke's model. Which two units could you compare using his model? Explain.

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Name			



MATHEMATICAL PRACTICES MP2, MP4, MP6

Customary Units of Weight

Essential Question How can you use models to compare customary units of weight?



Unlock the Problem

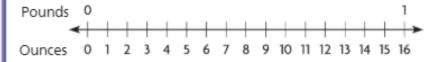


Ounces and pounds are customary units of weight. How does the size of a pound compare to the size of an ounce?

4)

Materials - color pencils

The number line below shows the relationship between pounds and ounces.





You can use a spring scale to measure weight.



STEP 1 Use a color pencil to shade 1 pound on the number line.



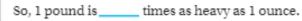
STEP 2 Use a different color pencil to shade 1 ounce on the number line.



STEP 3 Compare the size of 1 pound to the size of 1 ounce.



You need _____ ounces to make ____ pound.





MATHEMATICAL PRACTICES 6

Attend to Precision How can you compare the size of 9 pounds to the size of 9 ounces?

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Explain how the number line helped you to compare the sizes of the units.

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Chapter 12 653

Example Compare measures.

Nancy needs 5 pounds of flour to bake pies for a festival. She has 90 ounces of flour. How can she determine if she has enough flour to bake the pies?

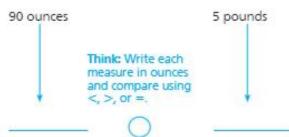


STEP 1 Make a table that relates pounds and ounces.

Pounds	Ounces
1	16
2	
3	
4	
5	

Think	
1 pound × 16 =	= 16 ounces
2 pounds \times 16	
3 pounds ×	_=
4 pounds ×	=
5 nounds ×	_

STEP 2 Compare 90 ounces and 5 pounds.



Nancy has 90 ounces of flour. She needs 5 pounds of flour.

90 ounces is ______ than 5 pounds.

So, Nancy enough flour to make the pies.

Try This! There are 2,000 pounds in 1 ton. Make a table that relates tons and pounds.

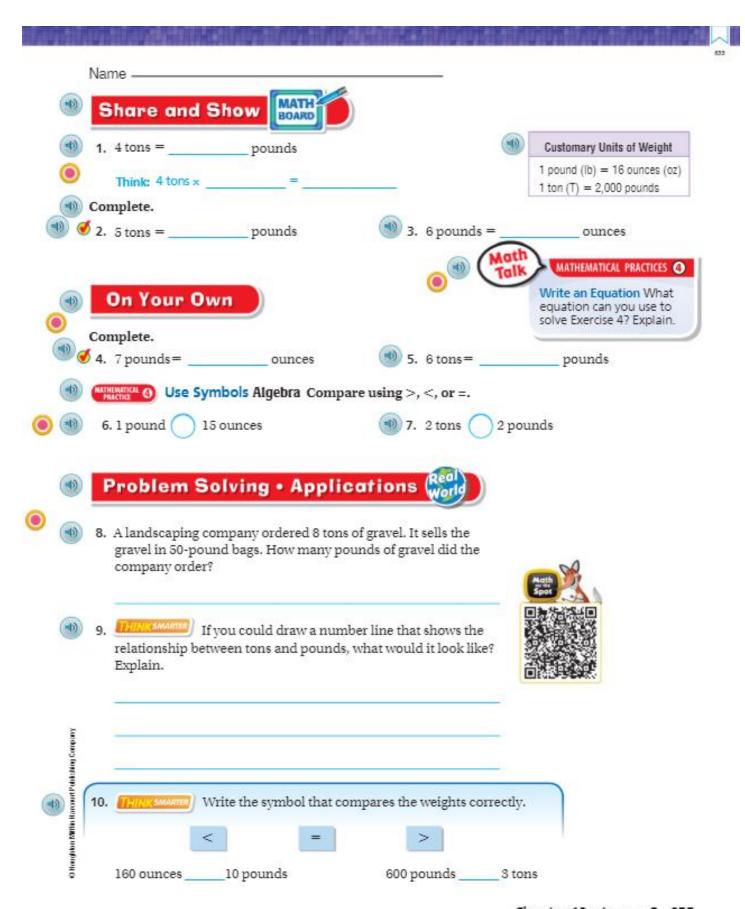
Tons	Pounds
1	2,000
2	
3	

1 ton is ______ times as heavy as 1 pound.

654

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4th Grade Week 6 Math Page 18

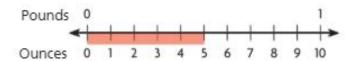


Chapter 12 • Lesson 3 655



- a) 11. Googles Alexis bought 1/2 pound of grapes. How many ounces of grapes did she buy?

Dan drew the number line below to solve the problem. He says his model shows that there are 5 ounces in , pound. What is his error?



- Look at the way Dan solved the problem. Find and describe his error.
- Draw a correct number line and solve the problem.





- So, Alexis bought _____ ounces of grapes.
- Look back at the number line you drew. How many ounces are in ¹₄ pound? Explain.

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Understanding Points, Lines, and Angles

Slide 1

What You Will Learn

You will learn about points, lines, line segments, rays, and angles.

Side 2

Key Words

Points - a location in space that has no dimension

Line - a straight set of points that extends infinitely in opposite directions

<u>Line segment</u> - two points or endpoints and all the points on the line between the endpoints

Ray - a line segment that extends infinitely in one direction from one of its endpoints

<u>Angle</u> - a geometric figure consisting of the union of two rays that share a common endpoint (vertex)

Slide 4

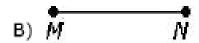
What does the picture show?

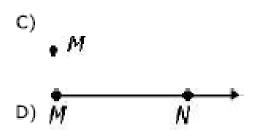


- A) line
- B) ray
- c) point
- D) line segment

Which picture shows a ray?





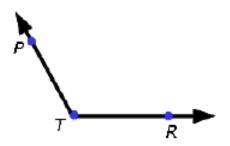


Slide 6 What You Learned

You learned about points, lines, line segments, rays, and angles.

Understanding Points, Lines, and Angles Test

1) What does the picture show?



- A) line segment
- B) line
- c) ray
- D) angle