6th Grade Math Unit 2-Ratios

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Period:	transport from the brings

Calendar:

	Culendar.	No. of Earlinean Lawrence and the
Thursday, September 13th	Friday, September 14th	Monday, September 17th
Focus: RatiosIXL Topic: R.1, R.2	Focus: RatiosIXL Topic: R.1, R.2	Focus: Unit Rate IXL Topic: R.7, R.9
Tuesday, September 18th	Wednesday, September 19th	Thursday, September 20th
Focus: Unit Rate IXL Topic: R.7, R.9 (Ms. Rankin will not be at EPMS today due to meeting)	Focus: Ratio Tables IXL Topic: R.5	 Focus: Ratio Tables/ Review IXL Topics: R.1, R.2, R.5, R.7, R.9
Friday, September 21st	Monday, September 24th	Tuesday, September 25 th
Quiz o Ratios o Unit Rate o Ratio Tables	Focus: Graphing Basics IXL Topic: X.1, X.2	Focus: Graphing Ratio Tables IXL Topic: R.5
Wednesday, September 26th	Thursday, September 27th	Friday, September 28 th
 Focus: Equivalent Ratios IXL Topic: R.3, R.4, R.6 	 Focus: Word	 Focus: Review/ Catch Up Day IXL Topic: R.1, R.2, R.3, R.4 R.5, R.6 R.7, R.9, R.10, R.11, X.1, X.2
Monday, October 1st	Tuesday, October 2 nd	IXL Information
 Focus: Review Game IXL Topic: R.1, R.2, R.3, R.4 R.5, R.6 R.7, R.9, R.10, R.11, X.1, X.2 	Unit 2 Test Ratios Unit Rate Ratio Tables Graphing Ratio Tables Equivalent Ratios	Username: FirstnameLastname816 Password: titans

*If Lost, Please Return to: Ms. Rankin (Room-F106)

Standards:

MGSE6.RP.1 Understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities.

MGSE6.RP.2 Understand the concept of a unit rate a/b associated with a ratio a:b with $b \neq 0$ (b not equal to zero), and use rate language in the context of a ratio relationship.

MGSE6.RP.3 Use ratio and rate reasoning to solve real-world and mathematical problems utilizing strategies such as tables of equivalent ratios, tape diagrams (bar models), double number line diagrams, and/or equations.

MGSE6.RP.3a Make tables of equivalent ratios relating quantities with whole number measurements, find missing values in tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.

MGSE6.RP.3b Solve unit rate problems including those involving unit pricing and constant speed.

MGSE6.RP.3d Given a conversion factor, use ratio reasoning to convert measurement units within one system of measurement and between two systems of measurements (customary and metric); manipulate and transform units appropriately when multiplying or dividing quantities. For example, given 1 in. = 2.54 cm, how many centimeters are in 6 inches?

Essential Questions:

- · What kinds of problems can I solve by using ratios?
- How can I tell if a relationship is multiplicative?
- What is the difference between a multiplicative and an additive relationship?
- · What are equivalent ratios?
- What are rates?
- How are unit rates helpful in solving real-world problems?
- How are ratios and rates similar and different?
- What information do I get when I compare two numbers using a ratio?

Vocabulary Words:

- Proportion: An equation which states that two ratios are equal.
- Rate: A comparison of two quantities that have different units of measure
- Ratio: compares quantities that share a fixed, multiplicative relationship.
- Rational number: A number that can be written as a/b where a and b are integers, but b is not equal to 0.
- Tape diagram: A thinking tool used to visually represent a mathematical problem and transform the words into an appropriate numerical operation. Tape diagrams are linear drawings that look like a segment of tape, used to illustrate number relationships. Also known as Singapore Strips, strip diagrams, bar models or graphs, fraction strips, or length models.
- Unit Ratio: are ratios written as some number to 1.
- Quantity: is an amount that can be counted or measured.

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3.13: Inquiry in Tutorial

Costa's Levels of Thinking and Questioning:

Math

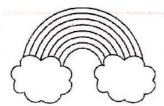
LEVEL 3 LEVEL 2 LEVEL 1 Predict what will happen to ___ · What additional information is What information is provided? as ____ is changed. needed to solve this problem? What are you being asked Using a math principle, how can Can you see other relationships to find? we find ...? that will help you find this What formula would you use information? Describe the events that might in this problem? occur if ... · How can you put your data in What does _____ mean? graphic form? Design a scenario for . . . What is the formula for ...? What occurs when ...? Pretend you are ... · List the ... Does it make sense to ...? · What would the world be like if ...? Compare and contrast · Name the ... _____ to ____. How can you tell if your answer · Where did ...? What was important about ...? is reasonable? What is ...? What would happen to _ What prior research/formulas · When did ...? if _____ (variable) were support your conclusions? increased/decreased? Explain the concept of . . . How else could you account How would repeated trials affect for ...? Give me an example of . . . your data? Explain how you calculate Describe in your own words What significance is this formula what _____ means. · What equation can you write to to the subject you're learning? solve the word problem? What mathematical concepts What type of evidence is most does this problem connect to? compelling to you? Draw a diagram of . . . • Illustrate how _____ works.



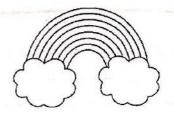


Unit 2	Topic: Ratios	Date:
Essential Question:		
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Questions:	Notes:	COS:35 (1979) 25:40
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	2 to 6	model 989 pay blook beginster of the
101 64	As with fractions, rations	os are often expressed in simplest form.
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3897.198	residence and the second of th	
Annal - Patter target	sections. Write the ratio a	ections to the total number of as a fraction in simplest form.
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	representation to the property of	and the second s
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	1. Find the ratio of bananas to		
	oranges in the graphic at		
Carries of P. 10	the right. Write the ratio as a fraction in simplest form.		
	Then explain its meaning.		
Company and he said	Total .		
30 51 7	2. Hiroshi has 4 engines and		Mather
" There is " " Land I had	18 box cars. Find the ratio		
K. ASST THITY OF BUILD	of engines to box cars.	and a new good or	a gring and maly
	Write the ratio as a fraction in simplest form. Then	and a second	
F STATE OF S	explain its meaning.		
	- I - I - I - I - I - I - I - I - I - I		
E torrer will street At	11008	Animals Four	nd in a Tide Pool
***	ANALYZE TABLES	Animal	Number
	For Exercises 3 and 4,	Anemones	11
or seemen a second to be been	refer to the table	Limpets	14
	showing tide pool	Snails	18
P. Data de Chia	animals. Write each	Starfish	9
The state of the s	ratio in simplest form.	Startish	
	 4. Find the ratio of snails to the total. 5. A petting zoo has 5 lambs, 11 the total number of animals. I meaning. 6. At the potluck, there were 6 pies. Find the ratio of apple p simplest form. Then explain in 	rabbits, 4 goats, and 4 Write the ratio in simple secan pies, 7 lemon pies ies to the total number of	piglets. Find the ratio of goats est form. Then explain its
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Taste the Ratio Rainbow!



Name:	Date:
You are going to be given a small cup with so your fruit loops to create s	
First, list how many you have of each:	The second second second second
The second secon	
GREEN FRUIT LOOPS:	
RED FRUIT LOOPS:	per at the second secon
Y ELLOW FRUIT LOOPS:	
PURPLE FRUIT LOOPS:	
ORANGE FRUIT LOOPS:	
B LUE FRUIT LOOPS:	The state of the s
TOTAL NUMBER OF FRUIT LOOPS IN C	υp:

(Equivalent Ratio: Is like a simplified/unsimplified fraction)

1:2

1 to 2

1/2

Reminder: Ratios can be written 3 ways

Example: $\frac{2}{3}$ is equivalent to $\frac{4}{6}$

Now flip over to begin writing rainbow ratios ©

A. Ratio of YELLOW to RED	
B. Ratio of RED to YELLOW	Find and record the sections
	L Buy students to girl students
C. Ratio of GREEN to PURPI	2. Total students to teachers :30
D. Ratio of ORANGE to RED	3. Teachers to boy situdents:
E. Ratio of RED to BLUE:	4. Teachers to girl students
F. Ratio of BLUE to ALL:	dul'estes to chaire : seriestes en mark
C Datio of ALL to DED / DE	in present of the tennes the season was
G. Ratio of ALL to RED & BI	last month
H. Ratio of YELLOW to BLU	E to GREEN:::
1.) Write an equivalent ratio f	for each of the above:
Α:	9. Clocks to drors
В:	fil. Pissue boxe (c)
	computers staff of dispress
C:	G. Line Line St.
D : =	13. Pennant:Flags.H2*2
62.1	Bookshelves Langue 14. Wobble Stooisto Eing
	d you expect to be in a pack of 40-50 fruit loops?
Give your answer and explain.	. 15 Tables to De iks
	16. Sinks in Cabinets
	Irigal Mahahara 22 SE
	Sharekeen REMODILE
	18. Fotal students to
	19. Teacher to boy students
	20. Teachers to girl students

ame:	100
anc.	

Date:

Find and record the ratio of	Ratio
1. Boy students to girl students	
2. Total students to teachers	PRESIDENCE CHARTERY TO PURSH
3. Teachers to boy students	CLAST OF HAMASTO PURCESS.CO
4. Teachers to girl students	Y 4.2 335 % of
5. Total students to total desks	
6. Desks to chairs	F. Tario of BLUE to ALL
7. Days in this month to days in last month	G Ratio of ALL to RED + BL
8. Days in the week to days in	HUNGE OF VELLOW TO BLUE
this month	or olega aggles/yea up salifelium
9. Clocks to doors	
10. Windows to flags	
11. Tissue boxes to	
computers	
12. Calendars to flags	
13. Pennant Flags to	
Bookshelves	
14. Wobble Stools to Blue	
Chairs	TYTHOU HIBBY OF PACH COLOR WOUND
15. Tables to Desks	allelane hare samme vices and
16. Sinks to Cabinets	putrett 3 uight
17. Boy students to girl	3/4
students	
18. Total students to	ditermented raction
teachers	Total Control
19. Teachers to boy students	
20. Teachers to girl students	

Jnit 2 that play	Topic: Unit Rate	Date:
ssential Question:	and Rote:	
A (E) (Cara and coffee, "openy of leave t	The property of the state of the
	many sets, the as local trie pro-	PATER OF THE PARENT OF THE PA
	The second religion of the second section is	
Questions:	Notes:	
1.00	Rate: a ratio comparii	ng two quantities with
tonica a structure and second	different units.	ig the quantities with
N-14		*
4	Unit Rate: a rate that i	is simplified so that it ha
4.1.	a denominator of 1	Jr. Se
29.0	0.000	The state of the s
Book and the second	Rates and Unit Ro	ates:
Weldest Ringle care whose	A CONTRACTOR OF THE PROPERTY O	
211	60 miles 20 miles 20 m	niles/hour
	40 words 20 words = 20	
मा राजार पाठ है जिस सामानी वह भी प	2 min. 1 min. =20	
	Convert to Unit Ro	ites:
	6 miles 40 words	5 miles
	3 hours 2 min.	2 hours
and the second of the second o	6÷3 40÷2	5 ÷ 2
all charles and you bell		2÷2
	$= \frac{2 \text{ mi.}}{1 \text{ hr.}} = \frac{20 \text{ words}}{1 \text{ min.}}$	=2.5 mi./hr
	=2 mi./hr. =20 words/min.	
tel Policy alford a major in the	Write each rate as a unit rate.	The same of the same states and the same states are the
· 四种中国民族	1. 14 hours in 2 weeks	2. 36 pieces of candy for 6
	children	
Part (
	TO STATE OF THE PROPERTY OF THE	
Dr. sanda nosas	3. 8 teaspoons for 4 cups	4. 8 tomatoes for \$2
		4. 6 tolliatoes for \$2
		and the term of the term of the regards.

w	5. Write the ratio \$12 dollars for 3 tickets as a unit rate.	
	And the second s	•
	6. Wayne raked 30 bags of leaves in 3 hours. If he raked the same number of bags each hour, how many bags of leaves did he rake in one hour?	The state of the s
	territoria de la companya della companya della companya de la companya della comp	
d thank or manifesting a	7. Mr. Ordonez gives his math students 34 quizzes during 17 weeks of school. If he gave the same number of quizzes each week, how many quizzes does Mr. Ordonez give his students every week?	
7	Ell fo tot sukmonado a	
	12. It cost Mrs. Sapanaro \$245 for her and 6 people to take a day-long guided tour of the Everglades. How much does the guided tour cost per person?	
9	Figure Activities City	
1	13. Stephanie ran 1 lap in 6 minutes. At this rate, how far would she run in 30 minutes?	6
	Sprow 64 sector 5	
Lo receive de la constante de	14. In general, the air temperature decreases 12°F for every 4,000 feet increase in altitude. If a hiker climbs 3,000 feet, by how much can she expect the temperature to decrease?	
1.4 AAC	Lambia ton (S. A. and S. E.)	
	15. One bottle of shampoo costs \$6 for 8 ounces. A second bottle costs \$4 for 5 ounces of shampoo. Which has the lower unit rate? How much lower?	
16 Shile to Cat		
Summary:	-quality in the activities of the	
IN The stay A		
		0

Unit Rate:

Ms. Rankin loves Starbucks coffee. Today, while waiting to place her order for her iced non-fat caramel macchiato, she noticed the prices for the three sizes that were available.

She could order:



Tall	A TOTAL PROPERTY.
12 oz	r dourn wol
\$3.55	



Grande	t to arom a ta	Venti
16 oz	thuga teauto	20 oz
\$4.25	sapn	\$4.55

Part A

What is the unit rate for each size:

Tall	Grande	Vent	i
	38 35 5	<u> </u>	
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alianese 2011.	ha openii, Sha oor ots commit to yy	ig se ssheliu in i ishela doed shu	S. Dervis congress i luv many ses
	7 5.7	9	

Part B
Which size is the better unit rate?
in the graph of the graph of the series as the series of the graph of the series of th
Part C
Use what you know about unit rates to explain how you determined your answer.
Use words, numbers, and/or symbols in your explanation.
THE PARTY OF THE P

Taking Unit Rate, 1 Step Further...

 Elsa is throwing a surprise party for Olaf's birthday. The ice cream cake costs \$28 for 14 servings. How much does it cost for 1 serving?

2. Elsa finds out that 6 more of the trolls will be able to attend the birthday party making the total guest count 20 servings. How much would the ice cream cake cost for 20 servings?

3. Dory is counting seashells in the ocean. She counts 100 seashells in 5 days. How many seashells does she count in 1 day?

4. If Dory continues counting seashells at this rate, how many will she count in 8 days?

Use words, numbers, and/or sympolis is your explanation.

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Ratio Tables

A **ratio table** organizes data into columns that are filled with pairs of numbers that have the same ratio or are equivalent. **Equivalent ratios** express the same relationship between two quantities.

Example 1

BAKING You need 1 cup of rolled oats to make 24 oatmeal cookies.

Use the ratio table below to find how many oatmeal cookies you can make with 5 cups of rolled oats.

Cups of Oats	1	- 7	.5
Oatmeal Cookies	24	est of trailing	. 1

Find a pattern and extend it.

Cups of Oats	1	2	3	4	5
Oatmeal Cookies	24	48	72	96	120

O, 120 oatmeal cookies can be made with 5 cups of rolled oats.

Multiplying or dividing two related quantities by the same number is called **scaling**. You may sometimes need to scale back and then scale forward or vice versa to find an equivalent ratio.

Example 2 SHOPPING A department store has socks on sale for 4 pairs for \$10. Use the ratio table at the right to find the cost of 6 pairs of socks.

There is no whole number by which you can multiply 4 to get 6. Instead, scale back to 2 and then forward to 6.

So, the cost of 6 pairs of socks would be \$15.

Exercises

For Exercises 1-2, use the ratio tables given to solve each problem.

1. EXERCISE Keewan bikes 6 miles in 30 minutes. At this rate, how long would it take him to bike 18 miles?

HOBBIES Christine is making fleece bla	nkets. 6
yards of fleece will make 2 blankets. Ho	w many
blankets can she make with 9 yards of fl	eece?

Pairs of Socks	4	6
Cost in Dollars	10	

and the about the season	/		× 3
de spray Use cardo de	-		1
Pairs of Socks	2	4	6
Cost in Dollars	5	10	15

Distance Biked (mi)	6	18
Time (min)	30	

Yards of Fleece	6	9
Number of Blankets	2	

NAME			

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PERIOD

Problem-Solving Practice

Ratio Tables

For Exercises 1-4, use the ratio tables below to solve each problem.

Table 1

Cups of Flour	1	7
Number of Cookies	30	

sections because if while of the belle Table 2 had a

Number of Books	6	
Cost in Dollars	10	

- 1. BAKING In Table 1, how many cookies could you make with 4 cups of flour?
- 2. BAKING In Table 1, how many cups of flour would you need to make 90 cookies?

- 3. BOOKS In Table 2, at this rate how many books can you buy with \$5?
- 4. BOOKS In Table 2, at this rate, how much would it cost to buy 9 books?

- 5. FRUIT Patrick buys 12 bunches of bananas for \$9 for the after school program. Use a ratio table to determine how much Patrick will pay for 8 bunches of bananas.
- 6. HIKING On a hiking trip, LaShana notes that she hikes about 12 kilometers every 4 hours. If she continues at this rate, use a ratio table to determine about how many kilometers she could hike in 6 hours.



Guacamole ake Mrs. Ansley's favorite guacamole recipe, use 2 jalapenos and 3 avocados. Use this information to completable below: apenos 4 10 ocados 9 12 Inte has 8 jalapenos at her house. How many avocados should she use if she wants her guacamole to taste the y uses 10 jalapenos and 14 avocadoes, will the guacamole turn out too spicy or not spicy enough? w many avocadoes should be used with 32 avocados? Purple Paint pauna went with her morn to pick out a new purple paint for her bedroom. After working with the paint expert at		Land	e all c				Dat	٥.	
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2C) A (14) 22: K (0,2) 24, J (1,8) 81	nauna went ome Depot Red Paint	t with her mon t, she created a Blue Paint	d be used with the pick out a color that w	ith 22 avocad a new purple was 6 drops re at is the simp	Purple Paint e paint for her be ed to 4 drops bl	pedroom. Affi ue.	ter working w	te 3 different	expert at
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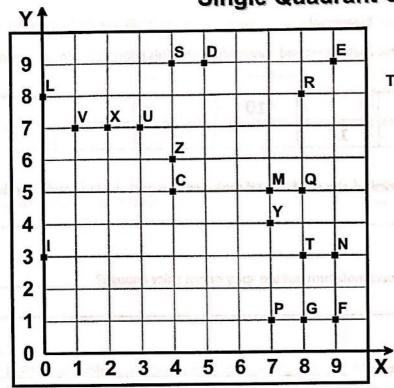
Name:

Teacher:

Score:

Date:

Single Quadrant Ordered Pairs



Tell what point is located at each ordered pair.

Write the ordered pair for each given point.

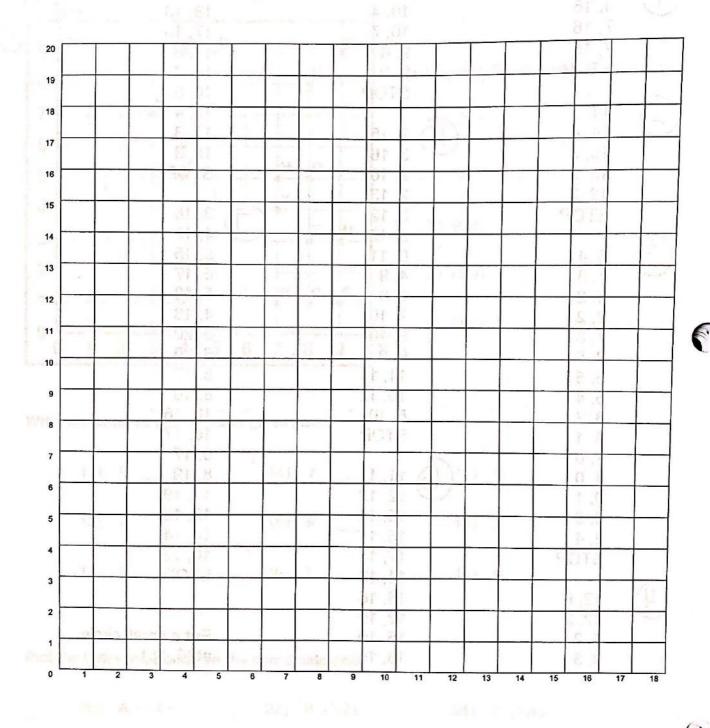
Plot the following points on the coordinate grid.

Mysta	ery Pict	TUVE & Cor	inect ts. Start w line
6, 16 7, 16 7, 15 STOP	10, 4 10, 7 9, 8 9, 9	18, 13 17, 10 17, 8 16, 7	See Stop U
2 14, 7 14, 4 15, 3 15, 2	STOP (5) 2, 15 3, 16 2, 16	16, 5 17, 4 17, 3 15, 3 STOP	
12, 2 STOP 6, 4 7, 3 6, 2	2, 13 3, 12 5, 12 6, 11 4, 9 6, 9	3, 16 4, 16 5, 15 6, 17 5, 18	
2, 2 1, 3 3, 5 5, 5 6, 4	7, 10 8, 10 9, 9 11, 11 10, 12	4, 18 3, 20 6, 20 8, 17 8, 16	
8, 3 8, 1 7, 0 1, 0 0, 1	8, 10 STOP 11, 11 12, 12 15, 12	10, 16 10, 17 9, 17 8, 19 11, 19 12, 16	
0, 3 2, 4 STOP 12, 6 12, 2	16, 11 17, 14 14, 18 13, 18 12, 19	10, 14 10, 12 STOP	
9, 2 9, 3	15, 19 18, 15	Put a smal at (6, 15)	I circle

1 . 1

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Name			

Date _____



Unit 2: Graphing Ratio Tables Lesson

Question	Katio Table							Graph						
1. There are 5 boys attending John's birthday party. They are ordering 16 pizzas. How many pizzas should they order for 20 boys?	Boys 5	Pizza 16	a			9		7227 64 56 40 32 24 16 8		10	15 20	25 3	30 35	40 45
2. Susan is						-	8			26 H	304	<u>S</u>	(Track to)	2. 7
making a	Cups of water	3						34	+	11 g				+
cake. She puts 3 cups of water in	Pounds of powder	4	8	12	2			₹ 32	2				1015	
for every 4							CONTROL DE LA CONTROL DE L	100 21		_				+
pounds of powder								5 2	1 1	+		+	227 N	+
(flour,										-		4		
sugar, etc.). How many								Pounds	2	+		4	10 1	
cups of water does								3 8	>	+	+			
she need for	and the sales and the sales							1						+
20 pounds of powder?								0	3	6	9 12	. 15	8 21	24 27
or powder.				-						(ups	of	Wa	ter
3. Jenna's			-			1	\	3			TT	-	П	ТТ
family is listening to	Minutes of music	20	30	40	50	60		9	+	+	+	120		
the radio in	Minutes of news	2	3	133	题	150 151		50 8	;			+	27 2	
the car. For every 20		- W. C. C. S. C.		(000 to 100 to 1	le sur eventure e	process of	(A)	Minutes of News	1	· ·	11			
minutes of								2 6	1 1		7			
music, they listen to 2								\$ 5	1 1			7 74	- 1.	
minutes of								S 4						
news. How								季 3						
many minutes of	الماليطاليا							= 2	-				77.1	
news do									H				144	11.0
they listen to for 60								(2 10	20	30 40	50 (d) 70	80 90
minutes of												ever-the the		
music?														
					7-	i				M.	M	<u>es o</u>	f M	WIC

4. George is tracking the	Allowance in dollars	7			SHE'S	10 S	-	-	+	\pm	\$1	200	11 11	1
money he earns in allowance.	# Weeks	1	2	3	4	I Bake	H	7						
He earns \$7 per week. How much money will he earn in 4 weeks?						11								
												or tale	10	
5. The James	Pies	8		П	Fu	21.0	П		<u> </u>		ГГ			
family is making pies for the	People	12			48	- 1	4						- (²	
holiday. The family makes 8 pies for	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				8 1	6-1	in a			i.	2 1 2 1 3 1	La Cor		(
every 12 people. How many pies for they need		\$					- 1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
for 48 people?		SA				1					100	7 10	6	
6. During a	Minutes of TV	22			88			П	T	T	П	T		
30-minute TV Show, there are 22	Minutes of Commercials	8				35		10.5				Ca Se	Ē	
minutes of the show and 8		ŝ												1
minutes of commercial. How many											100			1
minutes of commercial is there for 88 minutes		10052				10								
of a TV show?	2	<u>ā</u>								l		E. (1)		(
00 00 W W	THE ACT O					1								

Homework

Betty is making	Number of Pies	5	1 12	20				11 30535	no .101	WF -
apple pies for an event. To make 5	Pounds of Apples	2								
pies, you need 2 pounds of apples. How many pounds of apples do you need for 20 pies?	Sin 6.RP									
3 10				.8	The second secon	*			-11 11 11 11	
2. Azoo requires	Adults	7		28	1 10	is the state of th		ΠĹ		
that 1 adult	Students	Munit	S Vel 1	MA	1					
every 7 students that visit	第一章	1.3	or s	P						
the zoo. How many adults must accompany 28 students?	The state of the				And the second of the second					
3. Rachel purchased	# of Beads	50		20	0					
200 beads for \$48 to		上海后		\$4	-8				-	
make necklaces. I she needed to buy 50 beads, how much would it cost?	omes sons	no en los no equé no equé no especie	inagile							
		1	18				***			

Unit 2	Topic: Equivalent Ratios Date:
Essential Question:	
Questions:	Notes:
	6th Grade Math 6.RP.A.1. Find Equivalent Ratios Ratio of Boys to Girls: 3 to 5 or \$\frac{3}{5}\$ Boys 3 6 9 12 Girls 5 10 15 20 Mult. by 2: Mult. by 3: Mult. by 4: \$\frac{3}{5} \cdot \frac{2}{2} = \frac{6}{10} & \frac{3}{5} \cdot \frac{3}{3} = \frac{9}{15} & \frac{3}{5} \cdot \frac{4}{4} = \frac{12}{20} Evan seves \$2 of every \$5 he corns morning forwns.
	How much will Even have soved when he has earned \$150? How much will Even have soved when he has earned \$150? Equivalent: Equal to or of the same value Are the following equivalent? \$225 for 5 tickets and \$150 for 3 tickets

	Determine if each pair of ratios or rates are equivalent.
2.17	1. \$18 for 3 bracelets; \$30 for 5 bracelets
	122 Ell Wolse har heddig
_ Wolder north	GOTG FA.
203 th	
F 3 100 FE -	
10 UV 2 F	2. 120 Calories in 2 servings; 360 Calories in 6 servings
11	
THE RESERVE TO A SECOND	
THE STATE OF THE S	
house.	
The state of the	3. 4 hours worked for \$12; 7 hours worked for \$28
A STATE OF THE PARTY OF THE PAR	텔레는 발생을 보고 유유한 실적하다. 경우
e e cumbra matra	Department below. It is the the
4	
ere the "d	
	4. 15 blank CDs for \$5; 45 blank CDs for \$15
The state of the s	
C. Company of the control of the con	
to the second se	
digital to the same of the same	THE RESERVE TO THE RE
Ma P.	5. 24 points scored in 4 games; 48 points scored in 10 games
yet satisfies Xillian	A Properties Forth Asset A Company
gin que quale	
A DURING KIE.	THE CONTRACT OF THE PARTY OF TH
My trast, Nobretto	
THE THE PARTY OF THE	6. 15 out of 20 students own hand-held games; 105 out of 160 students own
N. STENDER BOY C.	hand-held games.
NAME OF STREET	
	A MANAGEMENT OF THE PROPERTY O

#

Solve the proportion below:

$$\frac{12}{9} = \frac{v}{3}$$

#2

Solve the proportion below:

$$\frac{m}{5} = \frac{28}{20}$$

#3

Solve the proportion below:

$$\frac{1}{g} = \frac{6}{12}$$

#4

Solve the proportion below:

$$\frac{6}{7} = \frac{30}{k}$$

#5

A recipe calls for 4 cups of sugar and 16 cups of water. How much water is needed if you only have I cup of sugar?

#6

The trail mix you are making calls for 3 cups of raisins for each cup of peanuts. How many cups of raisins do you need if you have 3 cups of peanuts?

#7

It takes Luis 15 minutes to read 3 pages. How long will it take him to read 90 pages? #8

Chrissy is entering a bike race for charity. Her father pledges \$0.80 for each 0.5 miles she bikes. If Chrissy bikes 18.5 miles, how much will her father donate? #q

Solve the proportion below:

$$\frac{3}{2} = \frac{24}{g}$$

#10 Solve the proportion below:

$$\frac{w}{40} = \frac{3}{8}$$

#||

Solve the proportion below:

$$\frac{6}{14} = \frac{y}{7}$$

#12

Solve the proportion below:

$$\frac{5}{r} = \frac{7}{77}$$

#13

Jolene mixes 3 parts of white paint to 8 parts of red paint to make pink. How many parts of red paint should she mix with 12 parts of white paint to get the same shade?

#|4

One water molecule has 2 hydrogen atoms to I oxygen atom. How many hydrogen atoms are in 4 water molecules?

#15

A recipe for punch calls for 5 parts grape soda to 2 parts seltzer. If Hector has 10 cups of grape soda, how much seltzer does he need? #16

Eric can run I mile in 6.5 minutes. How long will it take him to run 3.5 miles?