Name:

Date:

^{4th} Grade Unit 7 Review Multiplication of a Fraction by a Whole Number; Measurement

Solve the number stories using pictures or equations.

I. Maria has 6 cans of cranberry sauce in her cabinet. Each can weighs ¾ of a pound. How many pounds of cranberry sauce does Maria have?

Equation with unknown: $6 \times \frac{3}{4} = C$ Answer: $4\frac{3}{4}$ pounds $\frac{18}{4} = 4\frac{3}{4}$

2. Remy's cookie recipe calls for 2 ¼ cups of chocolate chips. If she wants to double the recipe, how many chocolate chips will she need?

Equation with unknown: $2 \frac{1}{4} \times 2 = C$ Answer: $4 \frac{2}{4} cups$

3. Jacob skateboards 7/10 of a mile each day. How many miles does he skateboard in a week?

Equation with unknown: $\frac{7}{10} \times 7 = 9$ Answer: $\frac{49}{10}$ miles $\frac{49}{10} = 49$



5. Convert.

l gallon	quarts
l quart	pints
3 quarts	pints
l pint	cups
4 pints	<u>8</u> cups



6. Karen's smoothie recipe calls for 5 cups of orange juice. She had 4 pints of orange juice and she gave 3 cups away.

Does she have enough orange juice for her recipe? $\underline{\vee CS}$

How many cups of juice does she have? $\frac{5 cups}{cups}$

Solve the number story and show your work.

7. Michael needs to make chocolate chip cookies for the school fundraiser. Each bag of chocolate chips costs \$0.85. If he buys 4 or more bags, they cost only \$0.68 each. If Michael buys 6 bags of chocolate chips, 0.8how much will he spend? 100(2)=200

100

Michael will spend \$ 4.08

8. Maggie and Carly work as hostesses at two restaurants. At Tom's Tacos, they each work 8 hours per week. Together, they make \$160 each week at Tom's Tacos. At Pam's Pizzeria, the each work 9 hours per week. Together they earn \$216 each week at Pam's Pizzeria.

6× 6

Which restaurant pays more per hour to each girl? How much more per hour?

Tom's Tacos a. Estimate: Pami Pizza 216-2= 108 80: b. am's Pizzaria pays more per hour. It pays \$ ____ more per hour. nou c. Equation(s) with unknown: (216/2)/9)-((160/2)/8) d. Look back at your estimate. Does your answer make sense?

nour

Read the number story. Use the information to write an equation and solve the problem below.

9. Penny is making necklaces for her 4 cousins. Each necklace needs to be 2 feet long. Penny has 100 feet of string.

a.	a. Will she have any leftover string? $\underline{\vee es}$					
b.	If so, how much? 92 ft.	(unit)				
C.	Equation: $100 - (4 \times 2) = n$					
	100 - 8 = 92					



II. Draw the dot pattern that comes next and record the number of dots in the pattern.

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Write a description of the pattern. <u>Each time & column</u> and one row was added.																	

How do you know how many dots to add each time	Every time
we added dots, they increase	ed by an even
number. For example: if incre	eased by 15
4, then 6, then 8.	

12. For 5 days, the Jones family kept track of how much water each member drank at home. He measure to the nearest 1/8 cup. Here are their results:

7/8, 4/8, 0, 6/8, 7/8, 1, 2/8, 0, 5/8, 6/8, 7/8, 2/8, 1/8, 5/8, 3/8

a. Complete the line plot. later Drank per Title X-178 water (in cups Label b. How many times did the family members drink 7/8 cup of water? $_3$ $2\frac{5}{8}$ cup(s) $3 \times \frac{7}{8} = \frac{21}{8} =$ How much water is this all together? What was the greatest amount of water someone drank in a day? C. cup(s) What amount of water per day was drank most often? cup(s) 8 cup(s) What is the difference between those amounts? 7 = 8 -