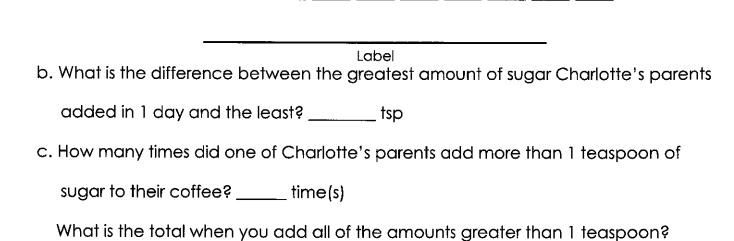
Name:	Date:
EVERYDAY MAT	THEMATICS—4th Grade on Operations; Applications
1) Estimate then solve.	
His goal is to buy the iPhone in the next	os found one for \$624. So far he has saved \$132. 9 months. If he plans to save the same amount and \$60 each of the last three months, how n of those 6 months?
Estimate:	
Number Model with Unknown:	
	•
Answer: \$ each month	
Is your answer reasonable? Explain	
2) Find the missing angle measures.	
150°	

Equation with unknown:\_\_\_\_\_

Answer:\_\_\_\_\_

Unit 8 Review (continued)
3) How many lines of symmetry does each shape have? Draw the lines of symmetry.
a. b.
line(s) of symmetry line(s) of symmetry
4) For a science project, Charlotte's family kept track of how many teaspoons of sugar her parents added to their coffee each day for 6 days.
This is the data they collected (in teaspoons):
육, [박, [육, 박, [박, <b>2</b> 박, 육, <b>2</b> 북, 육, 육, 육
a. Plot the data on the line plot below. Remember to give the line plot a title and to label the horizontal axis, including units.
Title:
←



\_\_\_\_ tsp

5) The lack	iew (continued)
meters. Fi	son family has Christmas lights that measure 3.12 meters, 1.25 meters, and and the combined length of the 3 Christmas light strings. Show your work.
m	1
) If I run for	Hour every day for two weeks, how many hours will I run in all?
h	ı <b>r</b>
Explain h	ow you found your answer
Use the inf	ormation below to solve the problems.  ormation below to solve the problems.
	ior Summer Fruit Punch cranberry juice
<b>A</b> •	pineapple juice
3 <sup>3</sup> cups	orange juice
1	mon juice
	ginger ale
■ mediu	m navel orange, sliced
In a large	
In a large bowl; sti	m navel orange, sliced container, combine juices; refrigerate. Just before serving, transfer to a punch
In a large bowl; sti a. How m	m navel orange, sliced container, combine juices; refrigerate. Just before serving, transfer to a punch r in ginger ale and orange slices.
In a large bowl; sti a. How m b. Will a 6	m navel orange, sliced container, combine juices; refrigerate. Just before serving, transfer to a punch r in ginger ale and orange slices.  The property of the different amounts of juice equal when combined? c
In a large bowl; sti a. How m b. Will a 6	m navel orange, sliced container, combine juices; refrigerate. Just before serving, transfer to a punch r in ginger ale and orange slices.  The part container be big enough to hold all of the ingredients? Explain your

#### **EVERYDAY MATHEMATICS—4th Grade Unit 8 Review: Fraction Operations; Applications**

1) Estimate then solve.

Saul wants to buy a new iPhone and has found one for \$624. So far he has saved \$132. His goal is to buy the iPhone in the next 9 months. If he plans to save the same amount of money for each of the first 6 months and \$60 each of the last three months, how much money will he need to save each of those 6 months?

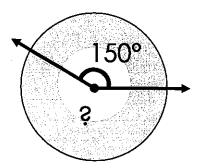
Estimate: 600 - 100 = 500, 500 - 50 - 50 - 50 = 350, 350 / 6 = about 60

Number Model with Unknown: Possible answer: 624 - 132 - 60 - 60 - 60) / 6 = m

Answer: \$ 52 each month

Is your answer reasonable? Explain.\_Possible answer: Yes, I used easier numbers to see how much Saul still has to save after the first three months, and it is about \$350. I divided \$350 by 6 and it is a little less than 60.

2) Find the missing angle measures.

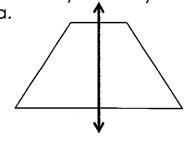


Equation with unknown:  $_{360} - 150 = ?$ 

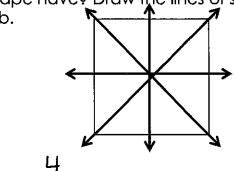
Answer: 210

## Unit 8 Review (continued) \*ANSWER KEY\*

3) How many lines of symmetry does each shape have? Draw the lines of symmetry.



line(s) of symmetry



line(s) of symmetry

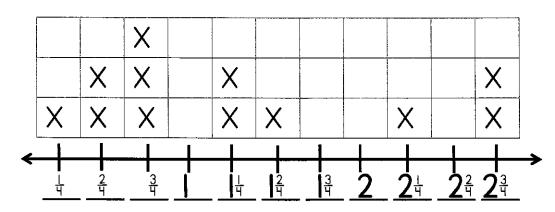
4) For a science project, Charlotte's family kept track of how many teaspoons of sugar her parents added to their coffee each day for 6 days.

This is the data they collected (in teaspoons):

3, 14, 14, 4, 14, 24, 4, 23, 4, 23, 4.

a. Plot the data on the line plot below. Remember to give the line plot a title and to label the horizontal axis, including units.

Possible answer: Amount of Sugar Per Day Title:



### Possible answer: Teaspoons of Sugar

Label

- b. What is the difference between the greatest amount of sugar Charlotte's parents added in 1 day and the least?  $2^{\frac{2}{4}}$  tsp or  $2^{\frac{1}{2}}$
- c. How many times did one of Charlotte's parents add more than 1 teaspoon of sugar to their coffee? 6 time(s)

What is the total when you add all of the amounts greater than 1 teaspoon?

# Unit 8 Review (continued) \*ANSWER KEY\*

5) The Jackson family has Christmas lights that measure 3.12 meters, 1.25 meters, and 2.7 meters. Find the combined length of the 3 Christmas light strings. Show your work.

$$3\frac{12}{100} + 1\frac{25}{100} + 2\frac{7}{100} =$$
 $3\frac{12}{100} + 1\frac{25}{100} + 2\frac{70}{100} =$ 
 $(3 + 1 + 2) + (\frac{12}{100} + \frac{25}{100} + \frac{70}{100}) =$ 
 $6 + \frac{107}{100} =$ 
 $6\frac{107}{100} =$ 
 $6\frac{7}{100}$ 

6) If I run for H hour every day for two weeks, how many hours will I run in all?

$$3^{\frac{1}{2}}$$
 hr

Explain how you found your answer. Possible answer: I multiplied  $\frac{1}{4}$  by 7 days in a week, or  $7 * \frac{1}{4} = \frac{7}{4}$  or  $\frac{1}{4}$ , then I doubled to get the total for 2 weeks.  $\frac{1}{4} + \frac{1}{4} = \frac{3}{4}$ .

7) Use the information below to solve the problems.

#### Recipe for Summer Fruit Punch

8 cups cranberry juice

 $3^{\frac{2}{4}}$  cups pineapple juice

 $\mathbf{3}^{\frac{3}{4}}$  cups orange juice

T cup lemon juice

2 pints ginger ale

medium navel orange, sliced

In a large container, combine juices; refrigerate. Just before serving, transfer to a punch bowl; stir in ginger ale and orange slices.

- a. How many cups do the different amounts of juice equal when combined?  $\underline{15^{\frac{1}{2}}}$  c
- b. Will a 6 quart container be big enough to hold all of the ingredients? Explain your answer. Possible answer: Yes. I added all of the cups and got 15½ cups. Then I converted 2 pints to cups and got 4 cups, which makes a total of 19½ cups. 6 quarts equals 24 cups, and the total amount of liquid is less than that, so it will hold all of the ingredients.