Unit 8 Math Study Guide

1. Jane wants to buy a new computer and has found one for $402. So far she has saved $87. Her goal is to buy the tablet in the next 7 months. If she plans to save the same amount of money for each of the first 5 months and $40 each of the last two months, how much money will she need to save each of those 5 months?

Estimate: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number model with unknown: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Answer \_\_\_\_\_\_\_\_\_\_\_\_ each month

2. Find the missing angle

 Equation with unknown Answer:

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_

 

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

 

 \_\_\_\_\_\_\_\_ lines of symmetry \_\_\_\_\_\_\_\_lines of symmetry

4. A fourth grade class has jump ropes that measure 1.8 meters, 2.13 meters and 2.43 meters. Find the combined length of the 3 different size ropes. Show your work.

\_\_\_\_\_\_\_\_\_\_\_\_\_ m

5. If I ride my bike for ½ hour everyday for a week, how many hours will I ride in all?

\_\_\_\_\_\_\_\_\_\_\_\_\_ hr.

Explain how you found your answer

6. Use the information below to solve the problem

Recipe for Soap Bubbles

5-¾ cups water

16 fluid ounces dishwashing liquid

¾ cup corn syrup

Combine the water and corn syrup and then slowly add the dishwashing liquid

How many cups do the water and corn syrup equal when combined? \_\_\_\_\_\_\_\_\_\_\_

Will a 2-quart container be big enough to hold all of the ingredients?

Explain your answer.

7. For a school health project, Mary’s family kept track of how many teaspoons of salt each of them added to their food each day for 3 days.

This is the data they collected (in teaspoons):

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

Title:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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What is the difference between the greatest amount of salt someone in Mary’s family added in 1 day and the least?\_\_\_\_\_\_\_\_\_\_\_\_\_

How many times did someone in Mary’s family add more than 1 teaspoon of salt to their food? \_\_\_\_\_\_\_\_\_\_\_\_\_

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