Unit 7 Assessment

(1) Solve the number stories using pictures or equations.

    a. We have 8 cans of pineapple chunks in our pantry.
    Each can weighs $\frac{5}{8}$ pound. How much do the cans weigh together?

    Equation with unknown: _____

    Answer: _____ pound(s)

    b. Lori runs $\frac{6}{10}$ mile every day. How many miles does she run in a week?

    Equation with unknown: _____

    Answer: _____ mile(s)

    c. Patrick's pancake recipe calls for $1\frac{1}{2}$ cups of blueberries.
    If he wants to triple the recipe, how many cups of blueberries will he need?

    Equation with unknown: _____

    Answer: _____ cup(s) of blueberries

(2)   **a.** List the next 4 multiples of $\frac{1}{3}$ in order:

    $\frac{1}{3}$, $\frac{2}{3}$, _____, _____, _____, _____

    b. $\frac{5}{4}$ is a multiple of the unit fraction _____.

    c. $\frac{7}{2} = 7 *$ _____

Unit 7 Assessment (continued)

③ Convert.

4 gallons	_____ quarts
2 quarts	_____ pints
9 quarts	_____ pints
3 pints	_____ cups
12 pints	_____ cups

④ Addison's recipe calls for 6 pints of fresh milk.
She had 4 quarts of milk and gave 3 pints away.

Does she have enough milk for her recipe? _____

How many pints of milk does she have? _____ pints

⑤ Solve the number story and show how you solved the problem.

Cole needs to make muffins for the school bake sale.
Each box of muffin mix costs $0.60.
If he buys 6 or more boxes, they cost only $0.47 each.
If Cole decides to buy 8 boxes, how much will he spend? $_____

Unit 7 Assessment (continued)

(6) Kevin and Dave work as lifeguards at two pools.
At the Wave Pool, they each work 9 hours per week.
Together they make $270 each week at the Wave Pool.
At the Slide Pool, they each work 6 hours per week.
Together they earn $252 each week at the Slide Pool.
Which pool pays more per hour to each boy? How much more per hour?

a. Estimate: _____

_____

b. The _____ Pool pays more per hour. It pays $_____ more per hour.

c. Equation(s) with unknown: _____

d. Look back at your estimate. Does your answer make sense?

_____

_____

_____

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

Polly is making jump ropes for her 3 nieces.
Each rope needs to be 2 yards long.
Polly has a 19-foot piece of rope.

Will she have any leftover rope? _____

If so, how much? _____
                                        (unit)
Equation: _____

Unit 7 Assessment (continued)

(8) **a.** If a science book weighs $\frac{1}{2}$ pound, what is the weight of 5 science books?
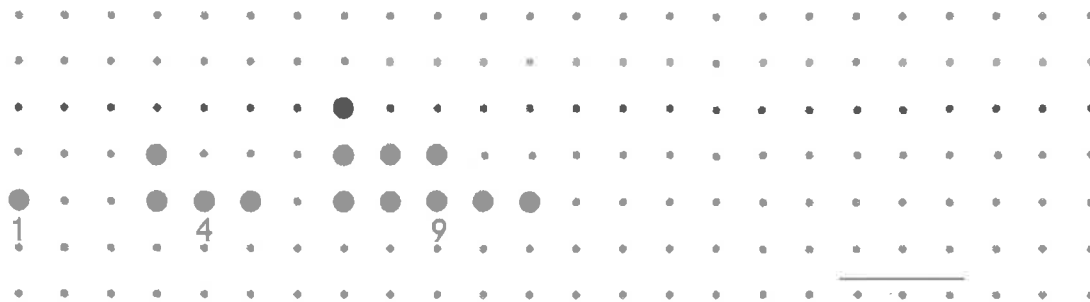
_____ pound(s)

b. How many ounces is that? _____ ounce(s)

c. How do you know? _____

_____

_____

(9) Draw the dot pattern that comes next and record the number of dots in the pattern.

Write a description of the pattern. _____

_____

_____

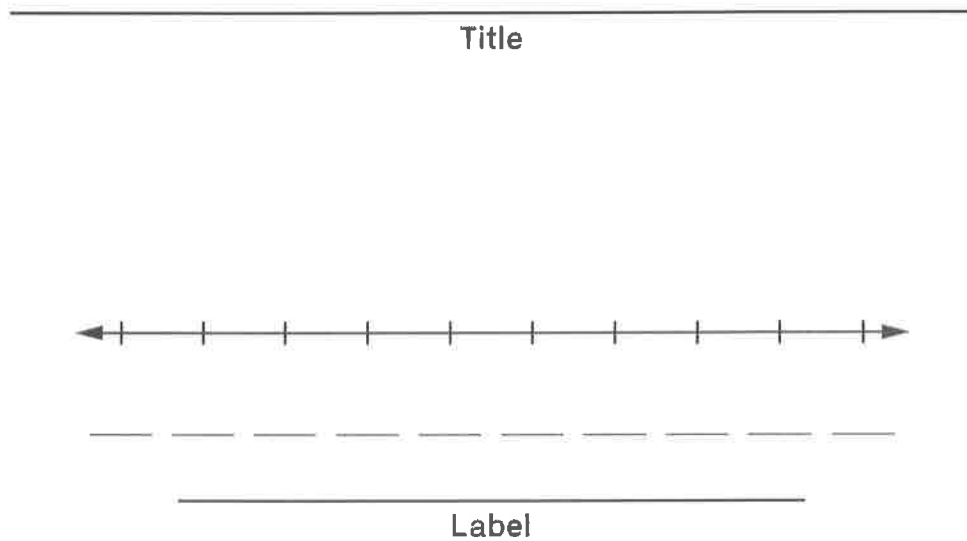How do you know how many dots to add each time?

_____

_____

_____

Unit 7 Assessment (continued)

(10) For 3 days the Reyes family kept track of how much milk each member used at breakfast. They measured to the nearest $\frac{1}{8}$ cup. Here are their results:

$$1\frac{1}{8}, \frac{7}{8}, \frac{3}{8}, \frac{5}{8}, \frac{5}{8}, 0, \frac{3}{8}, 0, \frac{7}{8}, \frac{7}{8}, \frac{5}{8}, \frac{5}{8}$$

a. Complete the line plot.

Title

$\xleftarrow{\hspace{1em}}\!\!+\!\!-\!\!-\!\!+\!\!-\!\!-\!\!+\!\!-\!\!-\!\!+\!\!-\!\!-\!\!+\!\!-\!\!-\!\!+\!\!-\!\!-\!\!+\!\!-\!\!-\!\!+\!\!-\!\!-\!\!+\!\!\xrightarrow{\hspace{1em}}$

Label

b. How many times did family members use $\frac{5}{8}$ cup of milk? _____

How much milk is this all together? _____ cup(s)

c. What was the greatest amount of milk someone used in a day? _____ cup(s)

What amount of milk per day was used most often? _____ cup(s)

What is the difference between those amounts? _____ cup(s)

Unit 7 Additional Items

11. Write <, >, or =.

709 _____ 776   96 _____ 610

12. Round each number to the nearest thousand.

a. 179,196 _____

b. 403,538 _____

c. 795,492 _____

13. Use the U.S. standard algorithm to solve.

$$437 + 394$$

$$554 - 387$$

Unit 7 Challenge

Jeremy multiplied a fraction by a whole number and the product was 1.

a. What might the equation have been? Give at least three different equations.

_____

_____

_____

b. What pattern do you notice in the multiplication equations?

_____

_____