Unit 6 Cumulative Assessment

1   Julianne has 12 bags of confetti to spread on 16 tables. She wants to put the same amount of confetti on each table. How much of one bag of confetti should she put on each table? Use a picture, number model, or words to show your work.

Julianne should use _____ bag of confetti on each table.

2   Write a number story that can be modeled by the number sentence $4 \div 5 = \frac{4}{5}$.

_____

_____

_____

3   Ben is walking 150 miles in 31 days to raise money for a charity. He wants to walk the same distance each day. How far should he walk each day?

Number model: _____

Ben should walk _____ miles each day.

Explain what you did with the remainder and why.

_____

_____

_____

_____

4   Write >, <, or = to make each number sentence true.

    a. 3.26 _____ 3.199   **b.** 5.6 _____ 5.038

    c. 12.8 _____ 12.800   **d.** 0.609 _____ 1.8

Unit 6 Cumulative Assessment (continued)

For each of the problems below, make an estimate and then solve.
Show your work on the grid. Use your estimate to check that your answer makes sense.

(5) $7{,}856 \div 42 = ?$

Estimate: _____

Answer: _____

(6) $62.79 + 9.26 = ?$

Estimate: _____

Answer: _____

(7) $186.03 - 57.38 = ?$

Estimate: _____

Answer: _____

(8) $374.4 - 139.68 = ?$

Estimate: _____

Answer: _____

Unit 6 Cumulative Assessment (continued)

⑨ Complete the table below.

Numeral	Number Name	Expanded Form
0.817		
	three and sixty-two thousandths	
		$(8 * 10) + (6 * 1) + (2 * 0.1)$ $+ (7 * 0.001)$

⑩ Round 38.9721 to the nearest:

Whole number _____   Hundredth _____

Tenth _____   Thousandth _____

⑪ Write the value of the 2 in each of the following numbers.

    a. 1**2**6.784 _____   **b.** 96**2**.941 _____

    c. 814.**2**78 _____   **d.** 119.0**2**5 _____

⑫ Explain what you notice about the value of the 2s in the numbers in Problem 11.

_____

_____

⑬ Gianna is making two different salads. One calls for $3\frac{3}{4}$ cups chopped spinach.
The other calls for $2\frac{2}{3}$ cups chopped spinach. How much spinach does Gianna need?
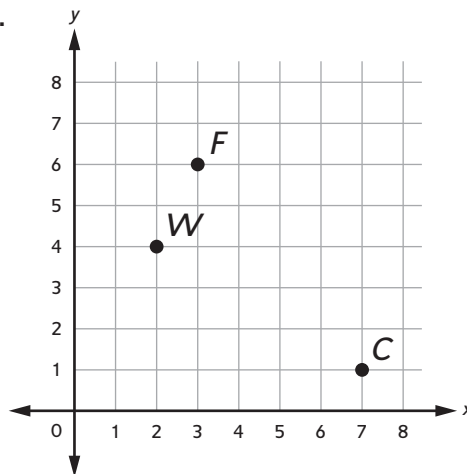
Number model: _____

Gianna needs _____ cups chopped spinach.

Unit 6 Cumulative Assessment (continued)

The grid to the right is a map of a town's business district. Point *F* represents a factory; Point *W* represents a water tower; and Point *C* represents a shopping center.

(14) Write the coordinates for the factory, water tower, and shopping center.

$F = $ _____

$W = $ _____

$C = $ _____

(15) The town plans to build a train station in the business district. Planners want the station to be no farther than 5 blocks from the water tower, the factory, and the shopping center. Plot a point where the town could build the train station. Label the point *T*. Write the coordinates of Point *T* below.

$T = $ _____

(16) Dempsey was solving the problem $\frac{13}{20} - \frac{2}{5}$. He got the answer $\frac{11}{15}$.

a. Explain how you know Dempsey's answer is wrong without calculating an exact answer.

_____

_____

_____

b. Solve the problem $\frac{13}{20} - \frac{2}{5}$. Show your work.

$$\frac{13}{20} - \frac{2}{5} = \underline{\hspace{2cm}}$$