Chapter Review

1. Chaz kept a record of how many gallons of gas he purchased each day last week.

Day	Gas (in gallons)
Monday	4.5
Tuesday	3.9
Wednesday	4.258
Thursday	3.75
Friday	4.256

How many gallons of gas did he purchase from Tuesday to Thursday last week?

_____

2. For problems 2a–2c, select True or False for each statement.

2a. $1.734 - 0.268 = 1.466$ ○ True   ○ False

2b. $4.57 + 7.945 = 12.515$ ○ True   ○ False

2c. $14 - 0.821 = 13.821$ ○ True   ○ False

3. Students are selling muffins at a school bake sale. One muffin costs $0.25, 2 muffins cost $0.37, 3 muffins cost $0.49, and 4 muffins cost $0.61. If this pattern continues, how much will 7 muffins cost? Explain how you found your answer.

4. The sum of two numbers is 6.006. One number has a 6 in the tenths place and a 2 in the thousandths place. The other number has a 3 in the ones place and a 7 in the hundredths place. What are the two numbers?

_____

5. Rowanda jogged 2.14 kilometers farther than Terrance. Select the values that could represent how far each student jogged. Mark all that apply.

○ Rowanda: 6.5 km, Terrance: 4.36 km

○ Rowanda: 4.8 km, Terrance: 2.76 km

○ Rowanda: 3.51 km, Terrance: 5.65 km

○ Rowanda: 7.24 km, Terrance: 5.1 km

6. Subtract.

$$
\begin{array}{r}
5 \\
-\ 4.368 \\
\hline
\end{array}
$$

7. Benjamin rode his bicycle 3.6 miles on Saturday and 4.85 miles on Sunday. How many miles did he ride Saturday and Sunday combined? Use the digits on the tiles to solve the problem. Digits may be used more than once or not at all.

$$
\begin{array}{r}
\square\ .\ \square\ \square \\
+\ \square\ .\ \square\ \square \\
\hline
\square\ .\ \square\ \square \\
\end{array}
$$

0	1
2	3
4	5
6	7
8	9

8. The school is 3.65 miles from Tonya's house and 1.28 miles from Jamal's house. How much farther from school is Tonya's house than Jamal's house? Explain how you can use a quick picture to solve the problem.
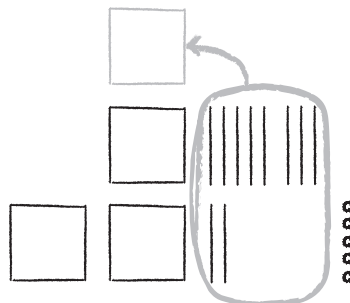
9. A vet measured the mass of two birds. The mass of the robin was 76.64 grams. The mass of the blue jay was 81.54 grams. What is the difference in the masses of the birds?

_____ grams

10. Rick bought 5 yogurt bars at a snack shop. Each yogurt bar cost $1.75. Complete the table to show the price of 2, 3, 4, and 5 yogurt bars.

Number of Yogurt Bars	Price
1	$1.75
2	
3	
4	
5	

11. Clayton Road is 2.25 miles long. Wood Pike Road is 1.8 miles long. Kisha used a quick picture to find the combined length of the roads. Does Kisha's work make sense? Explain why or why not.

12. Bob and Ling are playing a number pattern game. Bob wrote the following sequence.

28.9, 26.8, 24.7, _____ , 20.5

What is the unknown term in the sequence?

[ ]

13. You have $20 to spend. Songs are $1.79 and movies are $4.99. Select Yes or No to indicate whether you can buy the combination of songs and movies.

13a. 1 movie and 8 songs	○ Yes	○ No
13b. 3 movies and 3 songs	○ Yes	○ No
13c. 2 movies and 5 songs	○ Yes	○ No

14. 0.8, 2.1, 3.4, 4.7,... Choose the answers that make the statement true.

The next number in the sequence is
| 5.2 |
| 6.0 |
| 5.3 |
| 6.1 |
because the

rule for the sequence is
| add 1.3 |
| add 0.3 |
| subtract 1.5 |
| subtract 0.8 |
.

15. Alejandra starts with $139.55 in her savings account. She adds $18.25 to the account every week.

15a.   How much will she have in her account after 3 weeks?

_____

15b.   In week 4, Alejandra only deposits $15.65 instead of the usual amount. How much money will be in her savings account after 4 weeks?

_____

16. Miguel has $20. He spends $7.25 on a movie ticket, $3.95 for snacks, and $1.75 for bus fare each way. How much money does Miguel have left?

$ _____

17. Yolanda's sunflower plant was 64.34 centimeters tall in July. During August, the plant grew 18.2 centimeters.

Part A

What will the plant's height be at the end of August? Explain.

_____

Part B

How much will the plant have to grow to reach 100 cm by the end of September?

_____

18. Oscar ran the 100-yard dash in 12.41 seconds. Jesiah ran the 100-yard dash in 11.85 seconds. How many seconds faster was Jesiah's time than Oscar's time?

_____ second(s)

19. Write the next four terms of the sequence.

Rule: start at 32.9, subtract 3.67.

_____, _____, _____, _____

20. Troy and Lazetta are solving the following word problem.

Rosalie's cat weighs 9.8 pounds. Her dog weighs 25.4 pounds. What is the weight of both animals combined?

Troy sets up his problem as 9.8 + 25.4. Lazetta sets up her problem as 25.4 + 9.8. Who is correct? Explain your answer and solve the problem.

21. Add

7.584
+ 3.999
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