

Name: _____ Section: _____



Hello scholars and parents. We will complete the STEM Project this week and begin studying Chapter 4. Scholars will understand Patterns with Decimals in Lesson 4.1 and how to Add and Subtract Decimals Through Thousandths in Lesson 4.2

If you have any questions or concerns, please feel free to contact me at vasily.tserekh@archimedeans.org.

Notes

Students **MUST** prove and show all their work. If additional space is needed, please feel free to attach lined paper to the homework packet. **Failure to show your work will result in a lower grade.** Please complete the homework to the best of your abilities.

<u>Monday</u>	October 16	STEM Day 4
<u>Tuesday</u>	October 17 th	– STEM Day 5
<u>Wednesday</u>	October 18 th	– Chapter 4 Lesson 1
<u>Thursday</u>	October 19 st	– Chapter 4 Lesson 2
<u>Friday</u>	October 20 st	– Chapter 4 Lesson 2 cont.

Parents please initial below each day acknowledging your child has completed the assigned homework. **Homework will be checked daily in class. Completed homework packets are due on Friday October 20 for a grade.**

Monday October 16	Tuesday October 17 th	Wednesday October 18 th	Thursday October 19 st	Friday October 20 st
No HW	No HW	Homework page 1	Homework Page 2	No HW

Patterns with Decimals

Go Online

Interactive Examples

Write a rule for the sequence. Then find the unknown term.

13. 2.6, 3.92, 5.24, 6.56, 7.88

14. 25.7, 24.1, _____, 20.9, 19.3

Think: $2.6 + ? = 3.92$; $3.92 + ? = 5.24$

$$2.6 + 1.32 = 3.92$$

$$3.92 + 1.32 = 5.24$$

Rule: _____ **add 1.32** _____

Rule: _____

Write the first four terms of the sequence.

15. **Rule:** start at 17.3, add 0.916. **Rule:** start at 28.6, subtract 3.1

_____, _____, _____, _____

_____, _____, _____, _____

Problem Solving



17. The Ride-It Store rents bicycles. The cost is \$8.50 for 1 hour, \$13.65 for 2 hours, \$18.80 for 3 hours, and \$23.95 for 4 hours. If the pattern continues, how much will it cost Nate to rent a bike for 6 hours?

18. Yoona walks dogs every day to earn money. The fees she charges per month are 1 dog, \$40; 2 dogs, \$37.25 each; 3 dogs, \$34.50 each; 4 dogs, \$31.75 each. A pet store wants her to walk 8 dogs. If the pattern continues, how much will Yoona charge to walk each of the 8 dogs?

19. **WRITE** *Math* Give an example of a rule describing the pattern for a sequence. Then write the first five terms of the sequence for your rule.

Add and Subtract Decimals Through Thousandths

Go Online

Interactive Examples

Find the sum or difference.

$$\begin{array}{r} 22. \quad 13.87 \\ + 6.06 \\ \hline \end{array}$$

$$\begin{array}{r} 23. \quad 26.25 \\ - 5.73 \\ \hline \end{array}$$

$$\begin{array}{r} 24. \quad 2.50 \\ + 0.926 \\ \hline \end{array}$$

$$\begin{array}{r} 25. \quad 43.66 \\ - 9.08 \\ \hline \end{array}$$

$$\begin{array}{r} 26. \quad 6.27 \\ 0.133 \\ + 4.31 \\ \hline \end{array}$$

$$\begin{array}{r} 27. \quad 25.75 \\ - 8.2 \\ \hline \end{array}$$

Find the sum or difference.

$$28. \quad 6.389 + 17.39$$

$$29. \quad 8.747 - 4.8$$

$$30. \quad 2.09 + 12.639$$

Find the unknown numbers in the pattern.

Then write a description for the pattern

$$31. \quad 1.0, 2.1, 3.2, 4.3, \underline{\hspace{1cm}} 6.5, 7.6$$

Description: _____

$$32. \quad 5.03, 5.00, 4.97, 4.94, \underline{\hspace{1cm}} 4.88$$

Description: _____

Problem Solving



33. Qiqi finished a biking race in 21.39 minutes. Juanita took 19.59 minutes to finish. How much longer did Qiqi take to finish the race than Juanita?

34. The sum of two numbers is 5.036. One number has a 4 in the tenths place and a 7 in the thousandths place. The other number has a 1 in the ones place and a 2 in the hundredths place. What are the two numbers?
