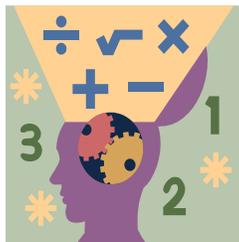


Name: _____ Section: _____



Homework

Greetings Scholar and Parents. Welcome to the new year! This is your **first** homework packet of the year and you will see them in this format throughout. This week we will be working on **Chapter 3: Place Values and Decimals**. Remember to check **CINEMATH** for reviews!

Extra Practice

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **“What should I work on”** section, scholars will find Teacher Assigned Lessons. From there, you will see a list of lessons reinforcing the daily skills.

- Place Values in Decimal Numbers
- Relationship Between Decimal Place Values
- Understanding Decimals Expressed in Words
- Compare Decimals Using Grids
- Round Decimals
- Compare, Order, and Round Decimals: Word Problems.

Notes

Completed homework packets should be uploaded or turned in on Sunday August 25th, 2024. Students must prove and show all their work in the provide space. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. If a scholar struggles with a lesson, they can review the daily lesson on HMH. Please feel free to contact me with any questions or concerns at peter.vanegas@archimedean.org.

<u>Monday</u>	August 19th	– 3.1
<u>Tuesday</u>	August 20th	– HMH DIAGNOSTIC DAY
<u>Wednesday</u>	August 21st	– 3.2 & 3.3
<u>Thursday</u>	August 22nd	– 3.4 & 3.5
<u>Friday</u>	August 23rd	– Finish the packet. Enjoy your weekend!

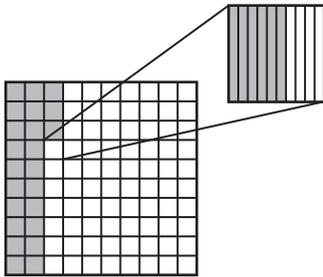
Understand Thousandths

Go Online

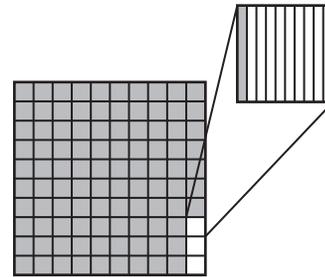
Interactive Examples

Write the decimal shown by the shaded parts of each model.

22.

0.236

23.



Think: 2 tenths, 3 hundredths,
and 6 thousandths are shaded

Complete the sentence.

24. 0.4 is 10 times as much as _____.

25. 0.003 is $\frac{1}{10}$ of _____.

Use place-value patterns to complete the table.

	Decimal	10 times as much as	$\frac{1}{10}$ of
26.	0.1		
27.	0.09		

	Decimal	10 times as much as	$\frac{1}{10}$ of
28.	0.08		
29.	0.2		

Problem Solving

30. The diameter of a dime is seven hundred five thousandths of an inch. Complete the table by recording the diameter of a dime.

31. What is the value of the 5 in the diameter of a half dollar?

32. Which coins have a diameter with a 5 in the hundredths place?

33. **WRITE**  *Math* Write four decimals with the digit 4 in a different place in each—ones, tenths, hundredths, and thousandths. Then write a statement that compares the value of the digit 4 in the different decimals.

U.S. Coins	
Coin	Diameter (in inches)
Penny	0.750
Nickel	0.835
Dime	
Quarter	0.955
Half dollar	1.205

Lesson Check

34. Write a decimal that is $\frac{1}{10}$ of 3.0.

35. A penny is 0.061 inch thick. What is the value of the 6 in the thickness of a penny?

Name _____

Read and Write Decimals Through Thousandths

Go Online

Interactive Examples

Write the value of the underlined digit.

21. 0.287

8 hundredths, or 0.08

22. 15.349

23. 2.704

24. 96.154

25. 4.006

26. 317.258

Write the number in two other forms.

27. $3 \times \left(\frac{1}{10}\right) + 2 \times \left(\frac{1}{100}\right) + 6 \times \left(\frac{1}{1,000}\right)$

28. 348.517

29. nine hundred twenty-four thousandths

30. 1,924.075

Problem Solving

31. In a gymnastics competition, Paige's score was 37.025. What is Paige's score written in word form?

32. Haru's batting average for the softball season is 0.368. What is Haru's batting average written in expanded form?

33.  *Math* Write five decimals that have at least 3 digits to the right of the decimal point. Write the expanded form and the word form for each number.

Lesson Check

34. When Mindy went to China, she exchanged \$1 for 6.589 Yuan. What digit is in the hundredths place of 6.589?
35. The diameter of the head of a screw is 0.306 inch. What is this number written in word form?

Compose and Decompose Decimals

Go Online

Interactive Examples

Decompose the decimal number two different ways.

15. $5.924 = \underline{\quad}$ ones + $\underline{\quad}$ tenths + $\underline{\quad}$ hundredths + $\underline{\quad}$ thousandths

$5.924 = \underline{\quad}$ ones + $\underline{\quad}$ tenths + $\underline{\quad}$ hundredths + $\underline{\quad}$ thousandths

16. $7.881 = \underline{\quad}$ ones + $\underline{\quad}$ tenths + $\underline{\quad}$ hundredths + $\underline{\quad}$ thousandths

$7.881 = \underline{\quad}$ ones + $\underline{\quad}$ tenths + $\underline{\quad}$ hundredths + $\underline{\quad}$ thousandths

17. $13.465 = \underline{\quad}$ ones + $\underline{\quad}$ tenths + $\underline{\quad}$ hundredths + $\underline{\quad}$ thousandths

$13.465 = \underline{\quad}$ ones + $\underline{\quad}$ tenths + $\underline{\quad}$ hundredths + $\underline{\quad}$ thousandths

18. What number is composed of 8 ones, 16 tenths, 24 hundredths and 37 thousandths?

19. What number is composed of 2 ones, 29 tenths, 17 hundredths and 105 thousandths?

20. What number is composed of 16 ones, 22 tenths, 33 hundredths and 44 thousandths?

Problem Solving

21. Earth is about 4.54 billion years old.
Decompose 4.54 two different ways._____

22. Franklin weighs his puppy in pounds. He decomposes the weight as shown.

8 ones + 13 tenths + 24 hundredths + 176 thousandths

How much does his puppy weigh in pounds?

23.  How does place value help you decompose numbers in different ways?_____

Lesson Check

24. Decompose 6.279. Choose all that apply.

- (A) 5 ones + 12 tenths + 4 hundredths + 39 thousandths
- (B) 6 ones + 1 tenth + 8 hundredths + 9 thousandths
- (C) 5 ones + 11 tenths + 7 hundredths + 19 thousandths
- (D) 6 ones + 3 hundredths + 249 thousandths

25. What number is composed of 13 ones, 24 tenths, 55 hundredths and 117 thousandths?

Compare and Order Decimals

Go Online

Interactive Examples

Compare. Write $<$, $>$, or $=$.

28. $4.735 \bigcirc 4.74$

29. $2.549 \bigcirc 2.549$

30. $3.207 \bigcirc 3.027$

31. $8.25 \bigcirc 8.250$

32. $5.871 \bigcirc 5.781$

33. $9.36 \bigcirc 9.359$

Order from greatest to least.

34. 3.008; 3.825; 3.09; 3.18

35. 0.386; 0.3; 0.683; 0.836

Find the unknown digit to make each statement true.

36. $2.48 > 2.4 \square 1 > 2.463$

37. $5.723 < 5.72 \square < 5.725$

38. $7.64 < 7. \square 5 < 7.68$

Problem Solving

39. The completion times for three runners in a 100-yard dash are 9.75 seconds, 9.7 seconds, and 9.675 seconds. Which is the least time?

40. In a discus competition, an athlete threw the discus 63.37 meters, 62.95 meters, and 63.7 meters. Order the distances from least to greatest.

41.  **WRITE** *Math* Write a word problem that can be solved by ordering three decimals to thousandths. Include a solution.

Lesson Check

Jay, Alana, Evan, and Stacey work together to complete a science experiment. The table at the right shows the amount of liquid left in each of their beakers at the end of the experiment.

Student	Amount of liquid (liters)
Jay	0.8
Alana	1.05
Evan	1.2
Stacey	0.75

42. Whose beaker has the greatest amount of liquid left in it?

43. Whose beaker has the least amount of liquid left in it?

Name _____

Round Decimals

Go Online

Interactive Examples

Write the place value of the underlined digit. Round each number to the place of the underlined digit.

25. 0.782

26. 4.735

27. 2.348

28. 0.506

29. 15.186

30. 8.465

Name the place value to which each number was rounded.

31. 0.546 to 0.55

32. 4.805 to 4.8

33. 6.493 to 6

Round 18.194 to the place named.

34. tenths

35. hundredths

36. ones

Problem Solving

37. The population density of Montana is 6.699 people per square mile. What is the population density per square mile of Montana rounded to the nearest whole number?

38. Alex is mailing an envelope that weighs 0.346 pound. What is the weight of the envelope rounded to the nearest hundredth?

39.  **WRITE** *Math* Describe how to round 3.987 to the nearest tenth.

Lesson Check

40. Ms. Ari buys and sells diamonds. She has a diamond that weighs 1.825 carats. What is the weight of Ms. Ari's diamond rounded to the nearest hundredth?
41. A machinist uses a special tool to measure the diameter of a small pipe. The measurement tool reads 0.276 inch. What is this measure rounded to the nearest tenth?
