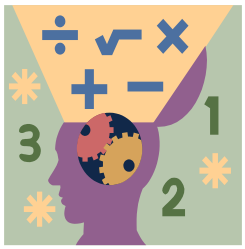
Name:_____ Section: _____



Homework

Greetings Scholars and Parents. Hope you are all comfortably settled into the new year. This week we will be finishing up **Chapter 3 – Place Values and Decimals.** Remember to check **CINEMATH** for reviews!

Extra Practice – OPTIONAL THIS WEEK

Additional practice for the daily lessons is available on IXL. To access extra practice, please have your child login into IXL. Under the **"FROM YOUR TEACHER"** 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
- Value of a digit in a decimal number
- Understanding decimals expressed in words
- Compose and decompose decimals in multiple ways
- Put decimal numbers in order

Notes

Completed homework packets should be uploaded or turned in on **Sunday, August 24th**. 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.

Monday	August 18th	– 3.1
Tuesday	August 19th	– 3.2 & 3.3
Wednesday	August 20th	– **HMH ASSESSMENT DAY**
Thursday	August 21st	– 3.4
Friday	August 22nd	– 3.5

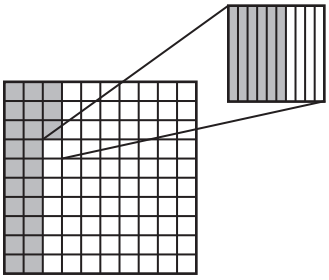
Name _____

Understand Thousandths

Go Online
Interactive Examples

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

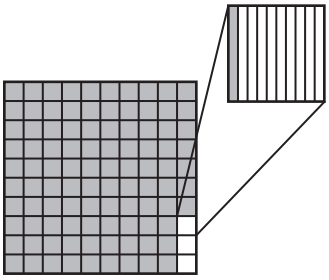
22.



0.236

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

23.



_____

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 Real World

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?

_____

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. 0.2$\underline{8}$7

8 hundredths, or 0.08

22. 15.$\underline{3}$49

_____

23. 2.70$\underline{4}$

_____

26. 317.2$\underline{5}$8

_____

Write the number in two other forms.

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

_____

_____

_____

_____

29. nine hundred twenty-four thousandths

_____

_____

30. 1,924.075

_____

_____

_____

Problem Solving Real World

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?

_____

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?

Name _____

Compose and Decompose Decimals

Go Online
Interactive Examples

Decompose the decimal number two different ways.

15. 5.924 = _____ ones + _____ tenths + _____ hundredths + _____ thousandths

5.924 = _____ ones + _____ tenths + _____ hundredths + _____ thousandths

17. 13.465 = _____ ones + _____ tenths + _____ hundredths + _____ thousandths

13.465 = _____ ones + _____ tenths + _____ hundredths + _____ thousandths

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

_____

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

_____

Problem Solving Real World

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?

_____

Lesson Check

24. Decompose 6.279. Choose all that apply.

Ⓐ 5 ones + 12 tenths + 4 hundredths + 39 thousandths

Ⓑ 6 ones + 1 tenth + 8 hundredths + 9 thousandths

Ⓒ 5 ones + 11 tenths + 7 hundredths + 19 thousandths

Ⓓ 6 ones + 3 hundredths + 249 thousandths

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

Name _____

Compare and Order Decimals

Go Online
Interactive Examples

Compare. Write <, >, or =.

28. 4.735 (<) 4.74

29. 2.549 ( ) 2.549

30. 3.207 ( ) 3.027

31. 8.25 ( ) 8.250

32. 5.871 ( ) 5.781

33. 9.36 ( ) 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 ▢ 1 > 2.463

_____

37. 5.723 < 5.72 ▢ < 5.725

_____

38. 7.64 < 7. ▢ 5 < 7.68

_____

Problem Solving Real World

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.$\underline{7}$82 _____ _____

26. $\underline{4}$.735 _____ _____

27. 2.$\underline{3}$48 _____ _____

28. 0.5$\underline{0}$6 _____ _____

29. 15.$\underline{1}$86 _____ _____

30. 8.4$\underline{6}$5 _____ _____

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 Real World

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?

_____

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?