Name _____

Place Value Through Millions

1. Write 462,397,158 in the place-value chart below.

Millions			Thousands			Ones		
Hundred Millions	Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones

2. Complete the table to find the value of each digit in 462,397,158.

Digit	Place	Value
4	hundred millions	400,000,000
6	ten millions	
2		
3		
9		
7		
1		
5		
8		

3. Use the table above to help you write 462,397,158 in expanded form.

400,000,000 + _____ + _____ + _____ +

90,000 + _____ + 100 + _____ + _____.

4. Write the short word form of 462,397,158.

462 million, _____ thousand, _____

5. Write 462,397,158 in word form.

Name _____

Place Value Through Millions (continued)

Write the value of the underlined digit.

6. 4,5<u>6</u>2,398 _____

7. 1<u>5</u>,347,025 _____

8. 37,81<u>4</u>,956 _____

9. <u>5</u>26,878,953 _____

10. 782,354,0<u>6</u>5 _____

11. 9<u>1</u>8,403,760 _____

Write each number in word form and in short word form.

12. 2,160,500

13. 91,207,040

14. 510,200,450

15. An underground rail system in Osaka, Japan carries 988,600,000 passengers per year. Write this number in expanded form.

_____

16. Reasoning What number would make the number sentence below true?

3,589,000 = 3,000,000 + ▩ + 80,000 + 9,000 _____

17. Reasoning What number can be added to 999,990 to make 1,000,000? _____

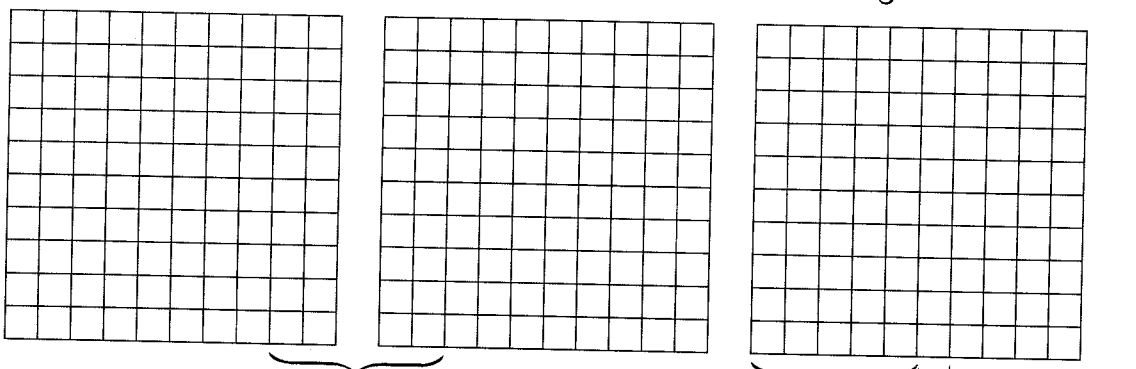
Name _____

Place Value Through Hundredths

Materials crayons or markers

Use the grids to help you answer 1 to 7.

1. Each grid has 100 squares. Color all of the first two grids. Then color 5 columns and 3 more squares of the third grid.



2. How many ones did you color? _____

Write 2 in the ones of the place-value chart below.

tens	ones		tenths	hundredths
		.		

3. After the 2 ones, how many tenths did you color? _____

Write 5 in the tenths of the place-value chart above.

4. After the 2 ones and 5 tenths, how many hundredths did you color? _____

Write 3 in the hundredths place of the place-value chart above.

In 2.53, the value of the 5 is 0.5 and the value of the 3 is 0.03.

5. Write 2.53 in expanded form.

2.53 = _____ + 0.5+ _____

Name _____

Place Value Through Hundredths (continued)

6. If 1 tenth = 10 hundredths, how many hundredths are in 5 tenths + 3 hundredths? _____

So, the grids show 2 ones + 53 hundredths or 2.53.

7. Write 2.53 in words. _____ and fifty-_____ hundredths

Answer 8 to 11 to examine the number 25.09.

8. Write 25.09 in the place-value chart below.

tens	ones		tenths	hundredths
		.		

9. What is the value of the 9 in 25.09? _____

10. Write 25.09 in expanded form. _____ + _____ + _____

11. Write 25.09 in words. _____ and _____ hundredths

Write the value of the underlined digit.

12. 14.7$\underline{5}$ _____

13. 4.$\underline{2}$9 _____

14. 26.$\underline{4}$6 _____

15. 3.6$\underline{8}$ _____

Write each decimal in expanded form.

16. 21.97 _____

17. 3.05 _____

Write each decimal in words.

18. 17.81 _____

19. 0.03 _____

20. Reasoning What missing number makes the number sentence, 28.02 = 20 + 8 = ☐, true? _____

Name _____

Place Value Through Thousandths

1. Write 5.739 in the place-value chart below.

ones		tenths	hundredths	thousandths
	.			

2. What is the value of the 5 in 5.739? _____

3. What is the value of the 7 in 5.739? _____

4. What is the value of the 3 in 5.739? _____

5. What is the value of the 9 in 5.739? _____

6. Write 5.739 in expanded form. _____ + 0.7 + _____ + 0.009

7. Write 5.739 in words.

_____ and seven hundred _____ thousandths

Write seven and two hundred four thousandths in standard from by answering 8 to 14.

8. How many ones are in seven and two hundred four thousandths? _____

Write 7 in the ones place of the place-value chart below.

ones		tenths	hundredths	thousandths
	.			

9. Write two hundred, thousandths as a fraction. _____

10. Write an equivalent fraction. $\frac{200}{1{,}000} = \frac{\square}{10}$

11. How many tenths are in seven and two hundred four thousandths? _____

Write 2 in the tenths place of the place-value chart above.

12. How many hundredths are in seven and two hundred four thousandths? _____

Write 0 in the hundredths place of the place-value chart above.

Name _____

Place Value Through Thousandths (continued)

13. How many thousandths are in seven and two hundred four thousandths? _____

Write 4 in the thousandths place of the place-value chart.

14. Write 7.204 in expanded form. _____ + _____ + _____

15. Reasoning What is 1 thousandth less than 7.204? _____

Write each value in standard form.

16. 507 thousandths _____

17. 5 and 6 thousandths _____

18. 9 and 62 thousandths _____

Write the value of the underlined digit.

19. 2.5$\underline{5}$3 _____

20. 0.38$\underline{1}$ _____

21. 6.$\underline{6}$47 _____

22. 9.0$\underline{9}$7 _____

Write each decimal in expanded form.

23. 4.685 _____

24. 3.056 _____

25. 0.735 _____

26. 4.004 _____

Write each decimal in word form.

27. 2.598 _____

28. 0.008 _____

29. 0.250 _____

Name _____

Comparing and Ordering Decimals Through Thousandths

Compare 3.761 and 3.766 by answering 1 to 6.

1. Write the decimals so the decimal points line up.

_____ • _____ _____ _____

_____ • _____ _____ _____

For Exercises 2–6, write $<$, $>$, or $=$.

2. Start on the left. Compare the ones. 3 _____ 3

3. Since the ones are equal, compare the tenths. 0.7 _____ 0.7

4. Since the tenths are equal, compare the hundredths. 0.06 _____ 0.06

5. Since the hundredths are equal, compare the thousandths. 0.001 _____ 0.006

6. So, 3.761 _____ 3.766.

Order these numbers from least to greatest by answering 7 to 13.

5.432; 5.45; 5.437

7. Write the decimals so the decimal points are lined up. You can place zeros so that all of the decimals have digits to the same place value.

_____ • _____ _____ _____

_____ • _____ _____ _____

_____ • _____ _____ _____

8. Starting on the left, in the ones place, compare the digits in each place. In what place do the digits become different? _____

9. Compare the hundredths. 0.03 _____ 0.05

10. Since $0.03 < 0.05$, which decimal is the greatest? _____

Name _____

Comparing and Ordering Decimals Through Thousandths (continued)

11. Compare the thousandths of the two other decimals. 0.002 _____ 0.007

12. Since $0.002 < 0.007$, which decimal is the least? _____

13. Write the numbers in order from least to greatest.

_____ _____ _____

Compare, use $>$, $<$, or $=$ for each ◯.

14. 3.75 ◯ 3.750

15. 79.6 ◯ 79.06

16. 48.97 ◯ 49.87

17. 0.287 ◯ 0.278

18. 1.382 ◯ 1.823

19. 85.271 ◯ 85.27

20. 29.699 ◯ 29.700

21. 8.95 ◯ 8.950

22. 16.050 ◯ 16.005

23. 0.54 ◯ 0.549

24. 21.603 ◯ 21.63

25. 7.93 ◯ 7.9

Write the numbers in each set from least to greatest.

26. 84.44, 84.444, 84.4

_____

27. 4.05, 4.005, 4.500

_____

28. 10.56, 10.165, 10.156, 10.615

_____

29. 7.29, 7.199, 7.129, 7.219

_____

30. If a table tennis ball weighs 0.085 ounce and a squash ball weighs 0.821 ounce, which ball weighs more? _____

31. If a northern elephant seal weighs 3.35 tons and a southern elephant seal weighs 3.54 tons, which seal weighs less?

_____

32. Reasoning Write three numbers between 50.1 and 50.2.