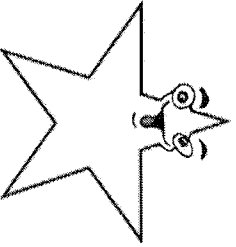


Place Value Chart

2	Hundred Billions
1	Ten Billions
0	Billions
,	
9	Hundred Millions
8	Ten Millions
7	Millions
,	
6	Hundred Thousands
5	Ten Thousands
4	Thousands
,	
3	Hundreds
2	Tens
1	Ones
.	
2	Tenths
3	Hundredths
4	Thousandths
5	Ten Thousandths
6	Hundred Thousandths



This Chart shows the place value of the number 210,987,654,321.23456
This is how you say it.

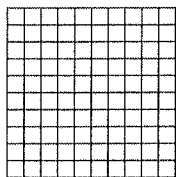
Two hundred ten billion, nine hundred eighty seven million, six hundred fifty four thousand, three hundred twenty one, and twenty three thousand four hundred fifty six hundred thousandths.

NAME _____

DATE _____

Modeling Decimals

The base ten models below can be used to represent decimal numbers.



1 whole



1 tenth



1 hundredth



1 thousandth

1 Write the number that each model represents.

Model	Decimal Number
ex 	1.025
a 	
b 	
c 	

NAME _____ DATE _____


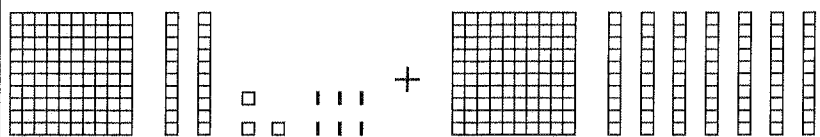
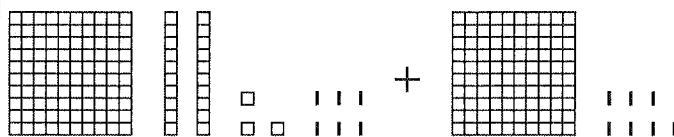
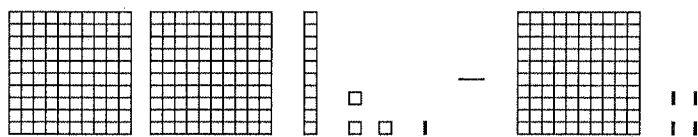

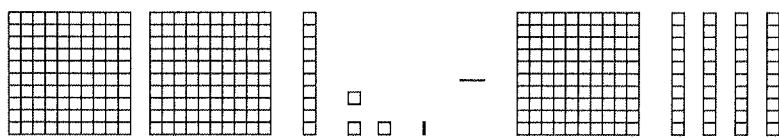
Decimal Sums & Differences

Write each expression beside the picture that represents it. Then find the sum or difference between the decimal numbers. You can use the pictures to help, or you can use the numbers. Show all your work.

$1.236 + 1.007$
 $2.131 - 1.004$

$1.236 + 1.07$
 $2.131 - 1.04$

$1.236 + 1.7$
 $2.131 - 1.4$

Picture	Expression and Sum or Difference
<div>1</div> <div></div>	
<div>2</div> <div></div>	
<div>3</div> <div></div>	
<div>4</div> <div></div>	
<div>5</div> <div></div>	
<div>6</div> <div></div>	

NAME _____

DATE _____

Using Models to Add & Subtract Decimals

Look at the pictures of each addition and subtraction combination. Then answer the question about the combination's sum or difference.

Picture	Numbers	Question
<p>1</p>	$\begin{array}{r} 1.009 \\ + 1.762 \\ \hline \end{array}$	Is the sum of 1.009 and 1.762 greater or less than 3? Explain how you can tell.
<p>2</p>	$\begin{array}{r} 1.530 \\ + 1.506 \\ \hline \end{array}$	Is the sum of 1.530 and 1.506 greater or less than 3? Explain how you can tell.
<p>3</p>	$\begin{array}{r} 1.048 \\ - 0.200 \\ \hline \end{array}$	Is the difference between 1.048 and 0.200 greater or less than 1? Explain how you can tell.

Score : _____

Date : _____

Write the Place and Value of Each Number.

- | | | | |
|------|--------------|--|-------------|
| 1) | 192,563
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 2) | 721,264
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 3) | 139,757
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 4) | 247,325
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 5) | 395,778
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 6) | 645,340
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 7) | 685,453
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 8) | 316,282
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 9) | 955,722
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |
| 10) | 677,130
^ | What place is the selected digit in?
What is the value of the selected digit? | <hr/> <hr/> |

Name: _____

Place Value

Place and Value

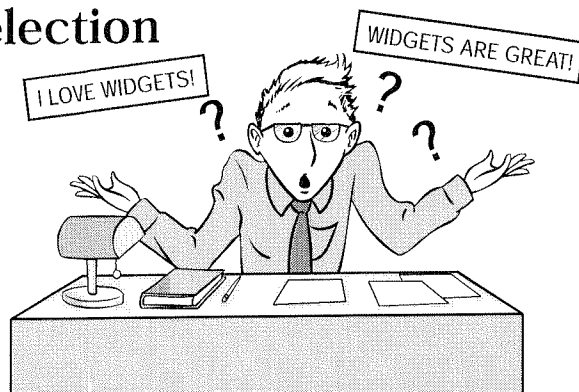
- a. 4,560,000 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- b. 56,002,030 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- c. 3,924,560 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- d. 5,019,204 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- e. 6,070,321 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- f. 19,352,340 What place is the underlined digit in? _____
What is the value of the underlined digit? _____
- g. 23,269,002 What place is the underlined digit in? _____
What s the value of the underlined digit? _____

Name _____

Date _____

Slogan Selection

Andrew the advertising man needs a new slogan to promote his product—the widget. Read each number below. Decide if the place value listed for the underlined number is correct or incorrect. Then color the corresponding box. After you're done, the unshaded boxes will reveal the new slogan.



Number	Place Value	Correct	Incorrect
1. 54, <u>6</u> 02	hundreds	L	W
2. <u>4</u> 98,542	millions	I	M
3. <u>1</u> ,438,726	millions	Y	D
4. 2, <u>1</u> 20	tens	P	G
5. <u>4</u> 0,903,000	millions	E	P
6. 6 <u>4</u> 3,008	hundred thousands	T	L
7. <u>1</u> ,645,981	ones	S	H
8. 4 <u>6</u> ,523	thousands	K	W
9. 4 <u>3</u> 5,876	ten thousands	C	O
10. 8, <u>2</u> 64,795	hundreds	R	I
11. <u>2</u> ,563,400	millions	E	K
12. <u>1</u> 37,119	hundred thousands	W	X
13. 3,4 <u>6</u> 7	tens	O	S
14. <u>9</u> ,530,678	millions	L	N
15. <u>9</u> 99,000	hundred thousands	P	D
16. <u>6</u> ,279	thousands	Y	E
17. 4,51 <u>8</u>	tens	R	P
18. 6 <u>5</u> ,398	ten thousands	S	J

The new slogan is _____.

Homework Practice*Place Value Through Billions***Name the place value and write the value of the underlined digit.**

1. 246,007,112

2. 712,409,625

3. 856,415

4. 19,003,017

Write each number in expanded form.

5. 23,618

6. 105,770,000

7. 1,413,001,000

8. 25,501,261

Homework Practice*Compare Whole Numbers*

Replace each with $<$, $>$, or $=$ to make a true sentence.

1. 2,040 20

2. 13,052 16,912

3. 201 2,001

4. 433,778 433,778

5. 6,321 282

6. 9 13

7. 31 38

8. 912 921

9. 334 3,340

10. 657 567

Write the numbers in expanded form. Replace each with $<$, $>$, or $=$ to make a true sentence.

11. 3,412 = _____

12. 932 = _____

3,421 = _____

9,322 = _____

3,412 3,421

932 9,322

Spiral Review

Write each number in standard form. (Lesson 1-1)

13. 11 million, 106 thousand, 300

14. 91 billion, 13 million, 70 thousand, 2

15. $300,000 + 20,000 + 300 + 70 + 8$

16. $1,000,000 + 50,000 + 9,000 + 4$

Homework Practice*Place Value Through Thousandths***Write the place value and the value of each underlined digit.**

1. 2.654 _____

2. 1.82 _____

3. 3.87 _____

4. 4.95 _____

5. 12.931 _____

6. 135.482 _____

Write each number in standard form.

7. 17 and 134 thousandths _____

8. 263 and 4 hundredths _____

9. $10 + 0.04 + 0.002$ _____

10. $4 + 0.9 + 0.01 + 0.006$ _____

Write each number in expanded form.

11. 174.273 _____

12. 30.024 _____

13. 209.106 _____

14. 44.815 _____

Spiral Review**Write each fraction as a decimal. (Lesson 1-4)**

15. $\frac{3}{10}$ _____

16. $\frac{1}{10}$ _____

17. $\frac{67}{100}$ _____

18. $\frac{7}{100}$ _____

19. $\frac{413}{1,000}$ _____

20. $\frac{5}{1,000}$ _____

Homework Practice*Compare Decimals*

Replace each with $<$, $>$, or $=$ to make a true sentence.

1. 0.62 0.618

2. 9.8 9.80

3. 1.006 1.02

4. 41.3 41.03

5. 2.01 2.011

6. 1.400 1.40

7. 5.079 5.08

8. 12.96 12.967

9. 15.8 15.800

10. 7.98 7.89

11. 15 15.01

12. 32.174 32.740

13. 8.917 8.907

14. 11.56 11.5671

15. 0.01 0.001

Spiral Review

Write each number in standard form. (Lesson 1-5)

16. 15 and 6 tenths _____

17. twenty and nine hundredths _____

18. $10 + 7 + 0.3 + 0.07 + 0.003$ _____

19. $8 + 0.9 + 0.001$ _____

Homework Practice*Order Whole Numbers and Decimals***Replace each \bullet with $>$, $<$, or $=$ to compare each pair of decimals.**

1. $0.788 \bullet 0.778$ _____

2. $1.1 \bullet 1.10$ _____

3. $4.052 \bullet 4.05$ _____

4. $0.0549 \bullet 0.549$ _____

5. $4.563 \bullet 0.4563$ _____

6. $0.00783 \bullet 0.00837$ _____

7. $9.34132 \bullet 9.31432$ _____

8. $7.341 \bullet 70.041$ _____

9. $0.30 \bullet 0.3000$ _____

10. $1.8091 \bullet 1.8901$ _____

11. $8.34 \bullet 8.43$ _____

12. $0.23441 \bullet 0.34421$ _____

13. $0.0120 \bullet 0.012$ _____

14. $2.5038 \bullet 2.3058$ _____

Order each set of decimals from *least* to *greatest*.

15. $2.654, 2.564, 2.0564, 2.465$ _____

16. $1.11, 0.111, 1.01, 1.0011$ _____

Spiral Review**Replace each \bigcirc with $>$, $<$, or $=$ to make a true sentence.
(Lesson 1-6)**

17. $0.3 \bigcirc 0.2$

18. $0.71 \bigcirc 0.17$

19. $4.6 \bigcirc 4.60$

20. $0.009 \bigcirc 1.09$

21. $8.80 \bigcirc 8.88$

22. $2.500 \bigcirc 2.5$

Homework Practice**5NS1.1***Rounding Whole Numbers and Decimals***Round each decimal to the indicated place-value position.**

- | | |
|-------------------------------|-----------------------------|
| 1. 1.583; ones _____ | 2. 67.095; tenths _____ |
| 3. 5.67; ones _____ | 4. 7.123; hundredths _____ |
| 5. 0.069; hundredths _____ | 6. 0.254; tenths _____ |
| 7. 569.8508; hundredths _____ | 8. 13.47; tens _____ |
| 9. 0.7010; thousandths _____ | 10. 10.89; tenths _____ |
| 11. 7.1385; thousandths _____ | 12. 0.571; hundredths _____ |
| 13. 215.073; hundreds _____ | 14. 105.148; tenths _____ |

Spiral Review**Use $>$, $<$, or $=$ to compare each pair of decimals. (Lesson 3-2)**

- | | |
|--------------------------|---------------------------|
| 15. 0.022 ● 0.0220 _____ | 16. 3.6723 ● 3.6273 _____ |
| 17. 5.62 ● 5.626 _____ | 18. 8.6932 ● 8.9623 _____ |

Order each set of decimals from *least* to *greatest*.

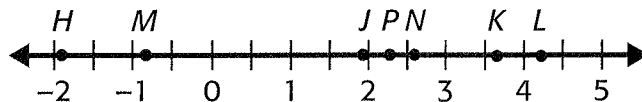
19. 5.6, 5.606, 5.06, 5.66 _____
20. 0.333, 3.33, 3.0033, 3.03 _____
21. 3.4, 3.14, 3.04, 3.44 _____
22. 8.20, 8.02, 8.63, 8.707 _____

Homework Practice**4NS1.2***Comparing and Ordering Whole Numbers and Decimals***Use $>$, $<$, or $=$ to compare each pair of decimals.**

- | | |
|-------------------------------------|--------------------------------------|
| 1. $0.788 \bigcirc 0.778$ _____ | 2. $1.1 \bigcirc 1.10$ _____ |
| 3. $4.052 \bigcirc 4.05$ _____ | 4. $0.0549 \bigcirc 0.549$ _____ |
| 5. $4.563 \bigcirc 0.4563$ _____ | 6. $0.00783 \bigcirc 0.00837$ _____ |
| 7. $9.34132 \bigcirc 9.31432$ _____ | 8. $7.341 \bigcirc 70.041$ _____ |
| 9. $0.30 \bigcirc 0.3000$ _____ | 10. $1.8091 \bigcirc 1.8901$ _____ |
| 11. $8.34 \bigcirc 8.43$ _____ | 12. $0.23441 \bigcirc 0.34421$ _____ |
| 13. $0.0120 \bigcirc 0.012$ _____ | 14. $2.5038 \bigcirc 2.3058$ _____ |

Order each set of decimals from *least* to *greatest*.

15. 2.654, 2.564, 2.0564, 2.465 _____
16. 1.11, 0.111, 1.01, 1.0011 _____

Spiral Review**Write the letter that represents each decimal on the number line.
(Lesson 3-1)**

- | | |
|------------------|------------------|
| 17. -0.8 _____ | 18. 2.6 _____ |
| 19. 1.9 _____ | 20. -1.9 _____ |

Homework Practice**5NS1.5***Ordering Integers***Replace each _____ with $<$ or $>$ to make a true sentence.**

1. -5 _____ 0 2. 25 _____ -15 3. 60 _____ 40 4. 12 _____ 10

5. 4 _____ -5 6. 19 _____ 18 7. -6 _____ -3 8. 75 _____ 90

9. -3 _____ -2 10. 83 _____ 59

Order each set of integers from least to greatest.

11. $14, 11, 2, 8, 9$ _____

12. $-50, 167, -240, 34, 17, 95$ _____

13. $-68, -113, 2, 89, 62, 7, -90$ _____

14. $7, 81, 5, 12, -5, 100, 64$ _____

15. $37, -90, 9, 16, 25, 432, -900$ _____

Solve.

16. Anya, Carolina, and Maria are all waiting for their trains to arrive. Anya's train will arrive at 11 A.M., Carolina's train will arrive at 11:30 A.M., and Maria's train will arrive an hour before Carolina's. Order the three by who will arrive first.
- _____

Spiral Review**Divide. Write in simplest form. (Lesson 6-11)**

17. $5\frac{3}{5} \div \frac{2}{3}$ _____

18. $12 \div \frac{3}{4}$ _____

19. $\frac{4}{9} \div \frac{1}{8}$ _____