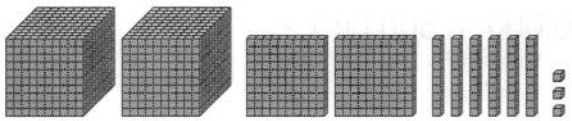
Name _____

Numbers in the Thousands

P 1-1

Write each number in standard form.

1.  _____

2. 8 ten thousands + 4 thousands + 9 hundreds + 4 tens + 7 ones _____

Write the word form and tell the value of the underlined digit for each number.

3. 7<u>6</u>,239 _____

_____

4. 823,<u>7</u>74 _____

_____

5. **Number Sense** Write the number that has 652 in the ones period and 739 in the thousands period. _____

During a weekend at the Movie Palace Theaters, 24,875 tickets were sold. Add the following to the number of tickets sold.

6. 100 tickets _____

7. 1,000 tickets _____

Test Prep

8. Which of the following numbers has a 5 in the ten-thousands place?

   A. 652,341 **B.** 562,341 **C.** 462,541 **D.** 265,401

9. **Writing in Math** Explain how you know the 6 in the number 364,021 is not in the thousands place.

_____

_____

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Name _____

Understanding Greater Numbers

P 1-2

Write the number in standard form and in word form.

1. 300,000,000 + 70,000,000 + 2,000,000 + 500,000 + 10,000 + 2,000 + 800 + 5

_____

_____

Write the word form and tell the value of the underlined digit for each number.

2. 4,<u>6</u>00,028 _____

_____

3. 488,423,0<u>4</u>6 _____

_____

4. **Number Sense** Write the number that is one hundred million more than 15,146,481. _____

5. The population in California in 2000 was 33,871,648. Write the word form.

_____

_____

Test Prep

6. Which is the expanded form for 43,287,005?

   A. 4,000,000 + 300,000 + 20,000 + 8,000 + 700 + 5

   B. 40,000,000 + 3,000,000 + 200,000 + 80,000 + 7,000 + 5

   C. 400,000,000 + 30,000,000 + 2,000,000 + 8,000 + 500

   D. 4,000,000 + 30,000 + 2,000 + 800 + 70 + 5

7. **Writing in Math** In the number 463,211,889, which digit has the greatest value? Explain.

_____

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Name _____

Place-Value Patterns

P 1-3

Name each number in two different ways.

1. 300 _____

_____

2. 2,400 _____

_____

3. 67,000 _____

_____

Reasoning Carlos has 1,300 stamps in his stamp collection. He is planning on putting his collection into stamp books. How many pages will he have filled if he puts

4. 10 stamps on each page? _____

5. 100 stamps on each page? _____

Look for a pattern. Find the next three numbers.

6. 4,017 4,027 4,037 _____ _____ _____

7. 11,213 11,313 11,413 _____ _____ _____

Test Prep

8. Which are the next three numbers in the pattern?
2,071 2,141 2,211

A. 2,021 2,041 2,061

B. 2,261 2,311 2,361

C. 2,281 2,351 2,421

D. 2,311 2,411 2,511

9. **Writing in Math** Describe the place-value blocks you could use to show 1,415.

_____

_____

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Name _____

PROBLEM-SOLVING SKILL **P 1-4**

Read and Understand

A zoo has 9 cows, 3 horses, 15 chickens, and 12 goats. How many animals are there in all?

1. Tell the problem in your own words.

_____

_____

2. Identify key facts and details.

_____

_____

3. Tell what the question is asking.

_____

_____

4. Show the main idea.

5. Solve the problem. Write the answer in a complete sentence.

_____

For 6 and 7, use the chart below.

6. How many more books does Elaine need to have the same amount as Juan?

_____

7. How many books do Elaine, Charlotte, and Juan have altogether?

_____

Name	Number of Books
Charlotte	7
Elaine	4
Juan	9

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Name _____

Comparing and Ordering Numbers

P 1-5

Compare. Write > or < for each ◯.

1. 2,854,376 ◯ 2,845,763
2. 6,789 ◯ 9,876
3. 59,635 ◯ 59,536
4. 29,374,125 ◯ 30,743,225

Order the numbers from least to greatest.

5. 45,859,211 4,936,211 43,958,211

_____ _____ _____

6. **Number Sense** Write three numbers that are greater than 1,543,000 and less than 1,544,000.

_____ _____ _____

7. Put the planets in order from the one closest to the sun to the one farthest from the sun.

_____

_____

_____

_____

_____

The Five Closest Planets to the Sun

Planet	Distance (miles)
Earth	93,000,000
Jupiter	483,000,000
Mars	142,000,000
Mercury	36,000,000
Venus	67,000,000

Test Prep

8. Which number has the greatest value?

   A. 86,543,712 **B.** 82,691,111 **C.** 85,381,211 **D.** 86,239,121

9. **Writing in Math** Tell how you could use a number line to determine which of two numbers is greater.

_____

_____

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Name _____

Rounding Numbers

P 1-6

Round each number to the nearest thousand and ten thousand.

1. 68,354 _____ _____
2. 857,836 _____ _____
3. 6,172,438 _____ _____

Round each number to the nearest hundred thousand.

4. 782,954 _____
5. 5,416,755 _____
6. Round the height of Mount Cameroon to the nearest thousand.

   _____

7. Round the height of Mount Kilimanjaro to the nearest ten thousand.

   _____

African Mountains

Mountain	Height (in feet)
Mount Kilimanjaro	19,340
Mount Cameroon	13,435
Mount Kenya	17,058
Mount Meru	14,979

Test Prep

8. Which is 346,759 rounded to the nearest ten thousand?

   A. 300,000 **B.** 346,000 **C.** 350,000 **D.** 400,000

9. **Writing in Math** Explain how you would round 265,588 to the nearest ten thousand.

   _____

   _____

   _____

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Name _____

The Size of Numbers

P 1-7

One freezer can hold 100 frozen yogurt bars. How many frozen yogurt bars are in

1. 10 freezers? _____
2. 3 freezers? _____
3. 60 freezers? _____
4. 100 freezers? _____
5. How many hundreds equal 1,000? _____
6. How many thousands equal 100,000? _____
7. If on average a tree drops 35 leaves a day in autumn, how many leaves would fall in 10 days? _____
8. If you took a bite of a watermelon and found 8 seeds, about how many seeds would you find in 10 bites? _____
9. If there are 100 raisins in a box and you have 9 boxes, how many raisins do you have in all? _____

Test Prep

10. Which of the following is equal to 1,000,000?

    A. 10 boxes with 1,000 trading cards in each box

    B. 100 boxes with 1,000 trading cards in each box

    C. 10 boxes with 10,000 trading cards in each box

    D. 100 boxes with 10,000 trading cards in each box

11. **Writing in Math** How can making small groups help you estimate large numbers?

_____

_____

_____

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Name _____

PROBLEM-SOLVING SKILL **P 1-8**

Plan and Solve

Rabbits At Juan's pet shop, the rabbit pen has 25 rabbits in it. Twelve of the rabbits are brown, 2 are black, and 4 are white. The rest are multi-colored. How many multi-colored rabbits are in the pen?

Juan's Work

25			
12	4	2	?

$25 - (12 + 4 + 2) = 7$

1. Name the strategy Juan used to solve the problem.

_____

2. Give the answer to the problem in a complete sentence.

_____

_____

Frozen Yogurt Barbara sells frozen yogurt in cups or cones. The flavors are chocolate, vanilla, caramel, or strawberry. How many different ways can a customer buy frozen yogurt using one flavor and one way to serve it?

	Barbara
Cup	Cone
chocolate	chocolate
vanilla	vanilla
caramel	caramel
strawberry	strawberry
8 different ways	

3. Name the strategy Barbara used to solve the problem.

_____

4. Give the answer to the problem in a complete sentence.

_____

_____

5. What other strategy might Barbara have used?

_____

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Name _____

P 1-9

Using Money to Understand Decimals

1. 2.18 = _____ ones + _____ tenths + _____ hundredths

   $2.18 = _____ dollars + _____ dimes + _____ pennies

2. 9.27 = _____ ones + _____ hundredths

   $9.27 = _____ dollars + _____ pennies

3. 7.39 = _____ ones + _____ tenths + _____ hundredths

   $7.39 = _____ dollars + _____ dimes + _____ pennies

4. **Number Sense** Write 3 dollars, 9 dimes, and 5 pennies with a dollar sign and decimal point.

   _____

5. **Number Sense** If you have 5 tenths of a dollar, how much money do you have?

   _____

6. Lana wants to buy a book for $6.95. How can she pay for the book using only dollars, dimes, and nickels?

   _____

Test Prep

7. How would you write sixteen and twenty-five hundredths with a decimal point?

   A. 16.025 **B.** 16.25 **C.** 162.5 **D.** 1,625

8. **Writing in Math** Which is greater, 4 tenths and 2 hundredths or 2 tenths and 4 hundredths? Explain.

   _____

   _____

   _____

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Name _____

Counting Money

P 1-10

Count the money. Write each amount with a dollar sign and a decimal point.

1. 3 dollars, 5 dimes, 9 pennies = _____

2. 2 five-dollar bills, 3 dollars, 4 dimes = _____

3. 6 dollars, 4 dimes, 7 pennies = _____

4. **Number Sense** Larry has 3 dollars, 7 quarters, and 10 nickels. Can he buy a magazine that costs $5.00? _____

Tell how to make each amount with the fewest bills and coins.

5. $4.26 _____

_____

6. $6.50 _____

7. $10.31 _____

_____

8. $35.40 _____

_____

Test Prep

9. How much money does Lorraine have if she has three $5 bills and 5 quarters?

   A. $3.50 **B.** $13.50 **C.** $15.25 **D.** $16.25

10. **Writing in Math** List the different ways you can make $0.25 without using pennies.

_____

_____

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Name _____

Making Change

P 1-11

Tell how you would give change from a $20.00 bill for each purchase. List the bills and coins you would use, and give the amount with a dollar sign and decimal point.

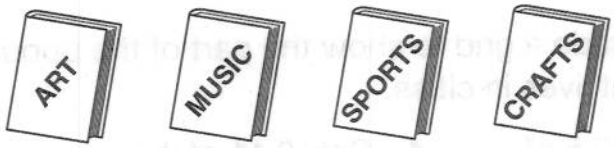
1. $13.55 _____

_____

2. $8.30 _____

_____

Tell how much change you should get from $10.00 when you buy the



$4.79 $6.28 $7.44 $8.33

3. art book. _____

4. crafts book. _____

5. music book. _____

6. sports book. _____

7. Number Sense Suppose you have $10. Do you have enough money to buy the music book and the art book? Explain.

_____

Test Prep

8. Which of the following is the change you would get when you buy an item that costs $1.29 with two $1 bills?

A. $0.72 **B.** $0.71 **C.** $0.69 **D.** $0.61

9. Writing in Math Imagine that you work in a record store. A customer gives you a $20.00 bill for a CD that costs $15.95. How much change will you give the customer? Explain.

_____

_____

_____

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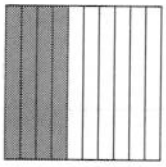
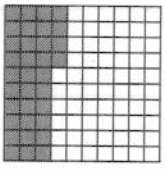
Name _____

More About Decimals

P 1-12

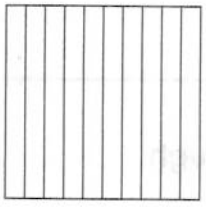
Write the word form and decimal for each shaded part.

1. 

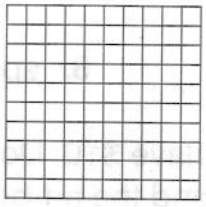
2. 

For each fact, shade a grid to show the part of the population of each country that lives in cities.

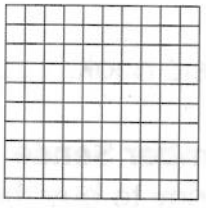
3. In Jamaica, 0.5 of the people live in cities.



4. Only 0.11 of the population of Uganda live in cities.

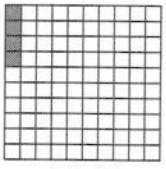


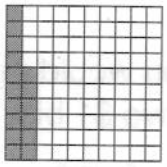
5. In Norway, 0.72 of the people live in cities.

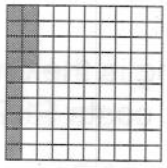


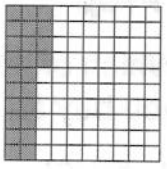
Test Prep

6. Which grid shows fourteen hundredths?

A. 

B. 

C. 

D. 

7. **Writing in Math** Explain why one column in a hundredths grid is equal to one column in a tenths grid.

_____

_____

_____

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Name _____

PROBLEM-SOLVING SKILL **P 1-13**

Look Back and Check

Waterfalls Four famous waterfalls have different heights. Ruacana Falls in Angola is 406 ft high, Victoria Falls in Zambia is 343 ft high, Wentworth Falls in Australia is 614 ft high, and Akaka Falls in Hawaii is 442 ft high. What is the order of these waterfalls from the least to the greatest height?

William

Waterfalls	Height
Wentworth Falls	614
Akaka Falls	442
Ruacana Falls	406
Victoria Falls	343

The order of the waterfalls is Wentworth Falls, Akaka Falls, Ruacana Falls, and Victoria Falls.

1. Did William answer the right question?

2. Did William's work match the information in the problem?

3. Did William use a correct procedure?

4. Is William's answer reasonable?

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PROBLEM-SOLVING APPLICATIONS **P 1-14**

In Attendance

In 2001, four baseball teams had the following home attendance totals for the season.

2,811,040 3,209,496 2,779,465 3,182,523

1. Write 3,209,496 in expanded form.

_____

2. Round each attendance total to the nearest hundred thousand.

_____

_____

3. Estimate the sum of all four attendance totals.

_____

4. **Writing in Math** Which estimate gives you more detailed information, rounding to millions or hundred thousands? Explain.

_____

_____

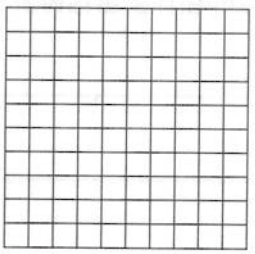
_____

5. Write the attendance totals in order from least to greatest.

_____

_____

6. Suppose in one month during 2001, 0.16 of the total season attendance occurred for one team. Show 16 hundredths on the grid by shading the correct number of hundredths.



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