

CHAPTER
1

Whole Numbers

Lesson 1.1 Numbers to 10,000,000

Fill in the table headings. Write *Tens*, *Hundreds*, *Ten Thousands*, or *Hundred Thousands*. Then write the number in word form and in standard form.

1.

		Thousands			Ones
● ●	● ● ●	● ● ●	● ●		●

a. The number in word form is

b. The number in standard form is _____.

Write each number in standard form.

2.	Twenty-eight thousand, one hundred ninety-nine	
3.	Ninety thousand, thirty-eight	
4.	Four hundred twelve thousand, six hundred three	
5.	Eight hundred thousand, five	
6.	Five hundred seven thousand, seven hundred	
7.	Six hundred thousand, six hundred	

Name: _____

Date: _____

Write each number in word form.

8. 50,680 _____

9. 255,430 _____

10. 199,303 _____

11. 872,900 _____

12. 305,072 _____

**Use all the digits given to form 6-digit whole numbers.
Do not start with the digit 0.**

8 6 0 3 7 4

13. The least possible number: _____

14. The greatest possible number: _____

15. The least odd number: _____

16. The greatest odd number: _____

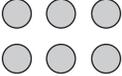
17. A number less than four hundred thousand: _____

Name: _____

Date: _____

Fill in the table headings. Write *Tens, Hundreds, Ten Thousands, Hundred Thousands, or Millions*. Then write the number in word form and in standard form.

18.

			Thousands			Ones
						

a. The number in word form is

b. The number in standard form is _____

Write each number in standard form.

19.	Nine million, two hundred seventy thousand, fifty	
20.	Six million, eighty-four thousand, one hundred one	
21.	Seven million, six thousand, eight hundred ninety-nine	
22.	Four million, five hundred two thousand, fifteen	
23.	Five million, fifty thousand, six hundred two	
24.	Eight million, four hundred thousand, eighty-five	
25.	Three million, seven hundred three	

Name: _____

Date: _____

Write each number in word form.

26. 8,808,429 _____

27. 3,002,566 _____

28. 5,970,103 _____

29. 2,050,060 _____

30. 4,700,900 _____

Use all the digits given to form 7-digit whole numbers.

Do not start with the digit 0.

5	9	0	2	6	1	3
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31. The least even number: _____

32. A number with 9 in the thousands place and 5 in the hundreds place:

33. A number greater than 2,000,000 but less than 5,000,000:

34. An even number greater than 6,000,000: _____

Name: _____

Date: _____

Lesson 1.2 Place Value

Write the value of each digit in the correct box.

1.

	9	2	5	0	3	8
--	---	---	---	---	---	---

	←
	←
	←
	←
	←
	←

Complete.

In 290,357:

- the digit 9 is in the _____ place.
- the value of the digit 9 is _____.
- the digit 9 stands for _____.

Write the place value of the digit 6 in each number.

	Number	Place Value
5.	263,148	
6.	312,685	
7.	609,453	

Name: _____

Date: _____

Write the value of the digit 5 in each number.

	Number	Value
8.	145,032	
9.	870,526	
10.	502,461	

Fill in the blanks.

11. In 980,541, the digit _____ is in the ten thousands place.

12. In 439,602, the digit 3 is in the _____ place.

13. In 750,482, the digit 7 is in the _____ place.

14. In 862,059, the digit 6 stands for _____.

It is in the _____ place.

15. In 423,086, the digit _____ is in the hundreds place.

Its value is _____.

Fill in the blanks.

16. $314,562 = 300,000 + \underline{\hspace{2cm}} + 4,000 + 500 + 60 + 2$

17. $790,258 = \underline{\hspace{2cm}} + 90,000 + 200 + 50 + 8$

18. $804,576 = 800,000 + \underline{\hspace{2cm}} + 500 + 70 + 6$

19. $200,000 + 4,000 + 800 + 90 + 1 = \underline{\hspace{2cm}}$

20. $500,000 + 70,000 + 30 = \underline{\hspace{2cm}}$

21. $300,000 + 6,000 + 10 = \underline{\hspace{2cm}}$

Name: _____

Date: _____

Write the value of each digit in the correct box.

22.

7	8	0	3	5	2	4
---	---	---	---	---	---	---

	←	7						
	←		8					
	←			0				
	←				3			
	←					5		
	←						2	
	←							4

Fill in the blanks.

23. In 8,963,750, the digit _____ is in the ten thousands place.
Its value is _____.

24. In 4,102,635, the digit 4 is in the _____ place.

Fill in the blanks.

25. $5,903,780 = 5,000,000 + 900,000 + 3,000 + \underline{\hspace{2cm}}$

26. $4,728,750 = 4,000,000 + \underline{\hspace{2cm}} + 700 + 50$

27. $6,000,000 + 80,000 + 5,000 + 300 + 23 = \underline{\hspace{2cm}}$

28. $2,000,000 + 700,000 + 500 + 8 = \underline{\hspace{2cm}}$

Name: _____

Date: _____

Read the clues to find each number.

- 29.** It is a 7-digit number.
It has a digit 0.
The greatest digit is in the hundred thousands place.
The value of the digit 1 is 1,000,000.
The digit 6 stands for 6,000.
The value of the digit 5 is 5 ones.
The digit 8 has a value greater than 700 but less than 1,000.
The value of the digit 7 is 7 ten thousands.

The number is _____.

- 30.** It is a 6-digit number.
The least digit is in the thousands place.
The greatest digit is in the ones place.
The digit in the tens place is 5 less than the digit in the ones place.
The digit in the hundred thousands place is greater than the digit in the tens place but is less than 6.
The digit in the ten thousands place is twice the digit in the tens place.
The digit 2 stands for 200.

The number is _____.

Name: _____

Date: _____

Lesson 1.3 Comparing Numbers to 10,000,000

Circle the greater number.

1. 95,867 or 123,087
2. 625,689 or 625,897
3. 4,306,582 or 4,314,356

Circle the least number.

4. 32,409 320,409 32,049
5. 788,420 798,630 786,980 785,900 799,380
6. 5,468,015 5,648,015 5,478,015 5,475,216

Arrange the numbers in order from least to greatest.

7. 283,500 2,583,000 2,385,000 197,500 1,795,000

8. 8,764,500 8,476,900 8,746,800 895,390 8,593,800

Arrange the numbers in order from greatest to least.

9. 5,296,000 594,287 2,890,670 980,576 5,298,053

10. 3,003,500 303,500 390,300 2,900,800 3,900,100

Name: _____

Date: _____

What is the next number in each pattern? Fill in the blanks.

11. 476,270 477,270 478,270 ...

- a. 477,270 is _____ more than 476,270.
- b. 478,270 is _____ more than 477,270.
- c. _____ more than 478,270 is _____.
- d. The next number in the pattern is _____.

12. 4,500,000 4,480,000 4,460,000 ...

- a. 4,480,000 is _____ less than 4,500,000.
- b. 4,460,000 is _____ less than 4,480,000.
- c. _____ less than 4,460,000 is _____.
- d. The next number in the pattern is _____.

Find the rule. Then complete each number pattern.

13. 405,600 605,600 805,600 _____ _____

Rule: _____

14. 980,800 965,800 950,800 _____ _____

Rule: _____

15. 5,241,200 5,291,200 5,341,200 _____ _____

Rule: _____

16. 1,458,900 1,358,800 1,258,700 _____ _____

Rule: _____

Name: _____

Date: _____

Lesson 1.4 Rounding and Estimating

Round to the nearest thousand.

1. 3,687 _____

2. 28,480 _____

3. 725,390 _____

4. 299,710 _____

Round each number to the nearest thousand. Then estimate the sum or difference.

5. $9,867 + 4,655$

6. $9,978 - 2,361$

Estimate the sum or difference by using front-end estimation with adjustment.

7. $5,974 + 6,459$

8. $3,999 - 2,499$

Name: _____

Date: _____

Round each 4-digit number to the nearest thousand. Then estimate each product.

9. $7,390 \times 8$

10. $8,589 \times 9$

Estimate the quotient. Give your answer to the nearest hundred.

11. $3,725 \div 4$

12. $3,898 \div 8$

13. $6,199 \div 7$

14. $5,562 \div 9$

Name: _____

Date: _____

Solve.

- 15.** On Saturday, 2,832 tourists visited the zoo.
On Friday, 1,475 tourists visited the zoo.
Estimate the number of tourists who visited the zoo on the two days by first rounding the numbers to the nearest thousand.

- 16.** A fireworks festival attracted a total of 4,342 visitors from Saturday to Friday.
The number of visitors who went to the festival was about the same every day.
Estimate the number of visitors who went to the festival on Monday.

Name: _____

Date: _____



Put on Your Thinking Cap!

Complete each pattern.

1. 150,000 155,000 165,000 180,000 _____ 225,000

2. 78,000 39,000 19,500 _____ 4,875

3. 15,000 30,000 90,000 360,000 _____ 10,800,000

4. 32,000 8,000 4,000 _____ 500 125

5. 12,000 36,000 18,000 54,000 _____ 81,000

Solve.

6. Karen opens a book and notes the page numbers of the facing pages. The product of the two numbers is 600. What are the page numbers of the facing pages?

Name: _____

Date: _____

**You are a Number Investigator. You have two cases for investigation.
Find the numbers using the clues.**

7. Case 1

It is a 7-digit even number. There is no repetition of digits.
The digit 5 is in the thousands place.
The greatest digit is in the millions place.
The digit in the hundred thousands place is twice the digit in the hundreds place.
The digit in the hundreds place is twice the digit in the ones place.
The digit in the tens place is 2 less than the digit in the millions place.
The value of the digit in the ten thousands place is zero.

The number is _____.

8. Case 2

It is a 6-digit number. There is no repetition of digits.
It is divisible by 5 and is more than 300,000.
The digit in the hundreds place is 3 more than the digit in the ones place.
The digit in the ten thousands place is 3 times the digit in the hundred thousands place.
The digit in the thousands place is half the value of the digit in the hundreds place.
The difference between the digits in the tens place and in the thousands place is 2.

The number is _____.