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CHAPTER
1

Working with Whole Numbers

Lesson 1.1 Numbers to 100,000 (Part 1)

Write each number in standard form.

1. thirty-eight thousand, six hundred _____
2. eighty thousand, two hundred forty _____
3. forty-six thousand, fifty-nine _____
4. twenty thousand, twelve _____
5. seventy-three thousand, one _____
6. thirteen thousand, five hundred thirteen _____

Write each number in word form.

Ten Thousands	Thousands	Hundreds	Tens	Ones
7	3	2	4	6

7. 73,246 _____

8. 11,280 _____

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Write each number in word form.

9. 60,054 _____

10. 19,707 _____

11. 55,055 _____

12. 48,300 _____

13. 90,990 _____

Count on and fill in the blanks.

14. 68,000 68,500 69,000 _____

15. 53,000 56,000 59,000 _____

16. 27,000 37,000 47,000 _____

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Write the missing words and digits for each number.

17. thirty-eight thousand, _____ 3____,050

18. forty-one _____, two hundred ten 41,____10

19. seventy-five thousand, _____ hundred six 75,30____

20. ninety-nine thousand, _____-four 99,____44

**Make each 5-digit number using all the cards.
Do not begin a number with '0'.**



21. A number with 6 in the thousands place: _____

22. A number with 3 in the ten thousands place and
8 in the tens place: _____

23. The least possible number: _____

24. The greatest possible number: _____

25. The least possible even number: _____

26. The greatest possible odd number: _____

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**Make each 5-digit number using all the cards.
Do not begin a number with '0'.**



- 27. The least possible number with 2 in the tens place: _____
- 28. The greatest possible number with 9 in the ones place: _____
- 29. The least possible odd number: _____
- 30. The least possible even number: _____
- 31. The greatest possible odd number: _____
- 32. The greatest possible even number: _____

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Lesson 1.1 Numbers to 100,000 (Part 2)

Complete.

In 52,896,

1. the digit 2 is in the _____ place.
2. the digit 6 is in the _____ place.
3. the digit 5 is in the _____ place.
4. the digit 9 is in the _____ place.
5. the digit 8 is in the _____ place.

In 91,485,

6. the value of the digit 4 is _____.
7. the value of the digit 5 is _____.
8. the value of the digit 9 is _____.
9. the value of the digit 8 is _____.
10. the value of the digit 1 is _____.

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Write the missing numbers and words.

In 73,824,

11. the digit 4 stands for _____ ones.
12. the value of the digit 2 is _____.
13. the digit in the ten thousands place is _____.
14. the digit 8 stands for _____ hundreds.
15. the digit 3 is in the _____ place.

In 96,743,

16. the digit 4 is in the _____ place.
17. the digit 9 stands for _____.
18. the digit 3 is in the _____ place.
19. the value of the digit 6 is _____.
20. the digit _____ is in the hundreds place and its value is _____.

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Fill in the blanks.

21. $23,485 = 2 \text{ ten thousands} + \underline{\hspace{2cm}} \text{ thousands} +$
 $\underline{\hspace{2cm}} \text{ hundreds} + 8 \text{ tens} + 5 \text{ ones}$

22. $72,586 = \underline{\hspace{2cm}} \text{ ten thousands} + 2 \text{ thousands} +$
 $5 \text{ hundreds} + \underline{\hspace{2cm}} \text{ tens} + \underline{\hspace{2cm}} \text{ ones}$

23. $20,000 + 4,000 + 700 + 8 = 2 \underline{\hspace{2cm}} + 4 \underline{\hspace{2cm}} +$
 $7 \underline{\hspace{2cm}} + \underline{\hspace{2cm}} \text{ ones}$

24. $90,000 + 800 + 50 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 5 \underline{\hspace{2cm}}$

Write each number in expanded form by completing the number sentence.

25. $24,329 = \underline{\hspace{2cm}} + 4,000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 9$

26. $37,486 = 30,000 + \underline{\hspace{2cm}} + 400 + \underline{\hspace{2cm}} + 6$

27. $42,635 = 40,000 + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 5$

28. $56,666 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + 600 + \underline{\hspace{2cm}} + 6$

29. $99,854 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} +$
 $\underline{\hspace{2cm}} + 4$

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Solve. Use the place-value charts to help you.

- 30.** Find the mystery number using these clues.
- It is a 5-digit even number.
 - The digit 3 is in the hundreds place.
 - The value of the digit 4 is 40.
 - The digit 6 stands for 6 ones.
 - The digit in the ten thousands place is twice the digit in the tens place.
 - The value of the digit in the thousands place is 30 times the value of the digit in the hundreds place.

Ten Thousands	Thousands	Hundreds	Tens	Ones

The number is _____.

- 31.** Find the mystery number using these clues.
- It is a 4-digit odd number.
 - All the digits are different.
 - None of the digits are 0 or 9.
 - The tens digit is twice the ones digit, and the hundreds digit is twice the tens digit.
 - The thousands digit is one less than the hundreds digit.

Thousands	Hundreds	Tens	Ones

The number is _____.

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
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
Lesson 1.2 Comparing Numbers to 100,000

Write $>$ or $<$ in each .

1. 78,309  78,093

2. 39,807  39,870

3. 87,930  89,730

4. 98,730  98,073

Compare these numbers.

26,653

60,002

91,111

80,888

- Write the least number. _____
- Write the greatest number. _____
- Write the greatest odd number. _____
- Write the least even number. _____

Order these numbers.

9. Begin with the least:

 61,352

 61,253

 61,532

10. Begin with the greatest:

 76,138

 78,631

 78,061

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Fill in the blanks.

- 11. 5,000 less than 81,250 is _____.
- 12. 30,000 greater than 48,900 is _____.
- 13. 20,000 greater than 36,500 is _____.
- 14. _____ is 8,000 less than 53,990.
- 15. _____ is 6,500 less than 38,620.
- 16. 49,500 is 6,000 greater than _____.
- 17. 13,800 is 9,000 less than _____.
- 18. 46,500 is 15,500 less than _____.

**Continue the number patterns.
Then write the rule for each pattern.**

- 19. 30,480 30,680 30,880 _____
Rule: _____
- 20. 54,200 55,700 57,200 _____
Rule: _____
- 21. 63,120 63,720 64,120 64,720 _____
Rule: _____
- 22. 18,250 18,500 19,000 20,000 _____
Rule: _____

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Lesson 1.3 Adding and Subtracting Multi-Digit Numbers

Add the two numbers.

1. $43,857 + 14,173 = \underline{\hspace{2cm}}$

2. $15,628 + 61,467 = \underline{\hspace{2cm}}$

3.

	3	2,	0	9	8
+	5	3,	9	4	5
<hr/>					

4.

	2	4,	8	3	5
+	6	2,	1	6	5
<hr/>					

Subtract the two numbers.

5. $72,805 - 14,966 = \underline{\hspace{2cm}}$

6. $85,400 - 34,695 = \underline{\hspace{2cm}}$

7.

	9	0,	4	3	7
-	3	3,	8	2	8
<hr/>					

8.

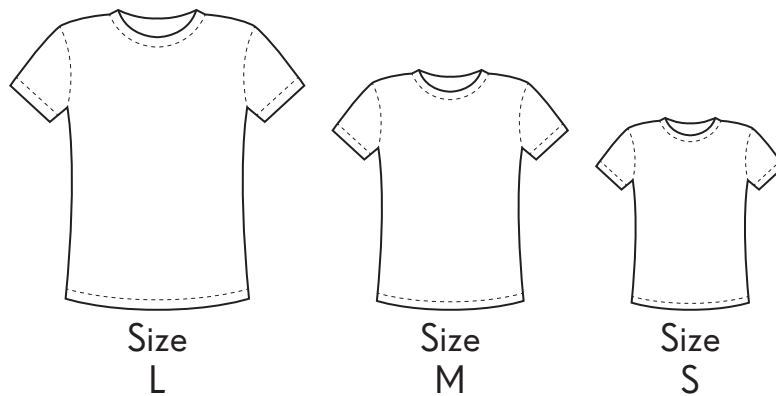
	6	0,	0	0	0
-	3	2,	5	6	8
<hr/>					

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9. There are 35,775 children attending a concert. The number of adults attending is 6,380 less than the children.
- a. How many adults are there attending the concert?
 - b. How many people are there altogether?

10. A school orders 2,000 T-shirts for an event. Of them, 850 T-shirts are Size L, 260 T-shirts are Size M, and the rest of the T-shirts are Size S.
- a. How many Size S T-shirts are there?
 - b. How many Size M and Size S T-shirts are there altogether?



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Put On Your Thinking Cap!

A 5-digit number has five different even digits.

1. What is the greatest possible number these 5 digits can form? _____

Use the number in Exercise 1 to answer the following.

2. What is the value of the digit in the hundreds place? _____
3. What is the value of the digit in the ten thousands place? _____

Continue the patterns.

4. 1 12 23 34 _____
5. 256 225 196 169 _____
6. 2 8 18 32 50 _____
7. 3,650 3,850 4,250 5,050 _____
8. 4,400 4,550 4,850 5,300 _____

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Fill in the blanks.

9. The least possible 4-digit number is _____.
10. The greatest possible 4-digit number is _____.
11. The least possible 4-digit odd number is _____.
12. The greatest possible 4-digit odd number is _____.
13. The least possible 4-digit even number is _____.
14. The greatest possible 4-digit even number is _____.
15. The least possible 4-digit number that has 3 as one of its digits is _____.
16. The greatest possible 4-digit number that has 5 as one of its digits is _____.
17. The least possible 4-digit number that has 0 as one digit, and in which no digit is repeated is _____.
18. The greatest possible 4-digit number that has 0 as one digit, and in which no digit is repeated is _____.