ISEE Lower Level Mathematics Prep 2019

A Comprehensive Review and Ultimate Guide to the ISEE Lower Level Math Test

2
Full-Length ISEE Lower Level Math Practice Exams

2,500 +
Math problems with answers

A comprehensive review of everything on ISEE Lower Level Math

Reza Nazari & Ava Ross

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A Comprehensive Review and Ultimate Guide to the ISEE Lower Level Math Test

By

Reza Nazari & Ava Ross

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Description

ISEE Lower Level Mathematics Prep 2019 provides students with the confidence and math skills they need to succeed on the ISEE Lower Level Math, building a solid foundation of basic Math topics with abundant exercises for each topic. It is designed to address the needs of ISEE Lower Level test takers who must have a working knowledge of basic Math.

This comprehensive book with over 2,500 sample questions and 2 complete ISEE Lower Level tests is all you need to fully prepare for the ISEE Lower Level Math. It will help you learn everything you need to ace the math section of the ISEE Lower Level.

Effortless Math unique study program provides you with an in-depth focus on the math portion of the exam, helping you master the math skills that students find the most troublesome.
This book contains most common sample questions that are most likely to appear in the mathematics section of the ISEE Lower Level.

Inside the pages of this comprehensive ISEE Lower Level Math book, students can learn basic math operations in a structured manner with a complete study program to help them understand essential math skills. It also has many exciting features, including:

- Dynamic design and easy-to-follow activities
- A fun, interactive and concrete learning process
- Targeted, skill-building practices
- Fun exercises that build confidence
- Math topics are grouped by category, so you can focus on the topics you struggle on
- All solutions for the exercises are included, so you will always find the answers
- 2 Complete ISEE Lower Level Math Practice Tests that reflect the format and question types on ISEE Lower Level

ISEE Lower Level Mathematics Prep 2019 is an incredibly useful tool for those who want to review all topics being covered on the ISEE Lower Level test. It efficiently and effectively reinforces learning outcomes through engaging questions and repeated practice, helping you to quickly master basic Math skills.

About the Author

Reza Nazari is the author of more than 100 Math learning books including:
– Math and Critical Thinking Challenges: For the Middle and High School Student
– ACT Math in 30 Days.
– ASVAB Math Workbook 2018 – 2019
– Effortless Math Education Workbooks
– and many more Mathematics books …

Reza is also an experienced Math instructor and a test–prep expert who has been tutoring students since 2008. Reza is the founder of Effortless Math Education, a tutoring company that has helped many students raise their standardized test scores—and attend the colleges of their dreams. Reza provides an individualized custom learning plan and the personalized attention that makes a difference in how students view math.

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Chapter 1: Place Vales and Number Sense

Topics that you'll learn in this chapter:

- ✓ Place Values
- ✓ Compare Numbers
- ✓ Numbers in Numbers
- ✓ Rounding
- ✓ Odd or Even

Place Values

Helpful Hints

The value of the place, or position, of a digit in a number.
For the number 3,684.26

Decimal Place Value Chart

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	Decimal point	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred thousandths	Millionths
			3	6	8	4	.	2	6				

Example:
In 456, the 5 is in "tens" position.

Write numbers in expanded form.

1) Thirty–five 30 + 5

2) Sixty–seven ___ + ___

3) Forty–two ___ + ___

4) Eighty–nine ___ + ___

5) Ninety–one ___ + ___

Circle the correct choice.

6) The 2 in 72 is in the ones place tens place hundreds place

7) The 6 in 65 is in the ones place tens place hundreds place

8) The 2 in 342 is in the ones place tens place hundreds place

9) The 5 in 450 is in the ones place tens place hundreds place

10) The 3 in 321 is in the ones place tens place hundreds place

Comparing and Ordering Numbers

Helpful Hints	**Comparing:** Equal to = Less than < Greater than >> Greater than or equal ≥ Less than or equal ≤	To compare numbers, you can use number line! As you move from left to right on the number line, you find a bigger number!	**Example:** 56 > 35 Order integers from least to greatest. (– 11, – 13, 7, – 2, 12) – 13 <– 11< – 2 < 7 <12

Use less than, equal to or greater than.

1) 23 _____ 34
2) 89 _____ 98
3) 45 _____ 25
4) 34 _____ 32
5) 91 _____ 91
6) 57 _____ 55
7) 85 _____ 78
8) 56 _____ 43
9) 34 _____ 34
10) 92 _____ 98
11) 38 _____ 46
12) 67 _____ 58
13) 88 _____ 69
14) 23 _____ 34

Order each set numbers from least to greatest.

15) – 15, – 19, 20, – 4, 1 ___, ___, ___, ___, ___, ___
16) 6, – 5, 4, – 3, 2 ___, ___, ___, ___, ___, ___
17) 15, – 42, 19, 0, – 22 ___, ___, ___, ___, ___, ___
18) 26, – 91, 0, – 13, 67, – 55 ___, ___, ___, ___, ___, ___
19) – 17, – 71, 90, – 25, – 54, – 39 ___, ___, ___, ___, ___, ___
20) 98, 5, 46, 19, 77, 24 ___, ___, ___, ___, ___, ___

Write Numbers in Words

Helpful Hints

- First, learn to write numbers from 1 to 9.
1 = one, 2 = two, 3 = three, 4 = four, 5 = five,
6 = six, 7 = seven, 8 = eight, 9 = nine
- Learn how to write numbers from 10 to 100. For example: 16 = sixteen, 50 = fifty, 89 = eighty-nine
- Learn how to combine words to write more numbers.
For example: 120 is written as: one hundred twenty

Write each number in words.

1) 434 _____

2) 809 _____

3) 730 _____

4) 272 _____

5) 266 _____

6) 902 _____

7) 1,418 _____

8) 1,365 _____

9) 3,374 _____

10) 2,486 _____

11) 7,671 _____

12) 6,290 _____

13) 3,147 _____

14) 5,012 _____

Rounding Numbers

Helpful Hints

Rounding is putting a number up or down to the nearest whole number or the nearest hundred, etc.

Example:
64 rounded to the nearest ten is 60, because 64 is closer to 60 than to 70.

Round each number to the underlined place value.

1) 19<u>7</u>2
2) 2,<u>9</u>95
3) 33<u>6</u>4
4) 12<u>8</u>1
5) 23<u>5</u>5
6) 13<u>3</u>4
7) 1,<u>2</u>03
8) 14<u>5</u>7
9) 7<u>4</u>84
10) 19<u>1</u>4
11) 42<u>3</u>9
12) <u>9</u>,123
13) 3,4<u>5</u>2
14) 2<u>5</u>69
15) 1,<u>2</u>30
16) 7<u>6</u>98
17) 92<u>9</u>3
18) 52<u>3</u>7
19) 24<u>9</u>3
20) 2,<u>9</u>23
21) <u>9</u>,845
22) 45<u>5</u>5
23) 6<u>9</u>39
24) 98<u>6</u>9

Odd or Even

Helpful Hints	**Even:** Any integer that can be divided exactly by 2 is an even number. **Odd:** Any integer that cannot be divided exactly by 2 is an odd number.	**Example:** –3, 1, 7 are all odd numbers – 12, 0, 8 are all even numbers

Identify whether each number is even or odd.

1) 12 _____
2) 7 _____
3) 33 _____
4) 18 _____
5) 99 _____
6) 55 _____
7) 34 _____
8) 87 _____
9) 94 _____
10) 14 _____
11) 22 _____
12) 79 _____

Circle the even number in each group.

13) 22, 11, 57, 13, 19, 47
14) 15, 17, 27, 23, 33, 26
15) 19, 35, 24, 57, 65, 49
16) 67, 58, 89, 63, 27, 63

Circle the odd number in each group.

17) 12, 14, 22, 64, 53, 98
18) 16, 26, 28, 44, 62, 73
19) 46, 82, 63, 98, 64, 56
20) 27, 92, 58, 36, 38, 72

Answers of Worksheets – Chapter 1

Place Values

1) 30 + 5
2) 60 + 7
3) 40 + 2
4) 80 + 9
5) 90 + 1
6) ones place
7) tens place
8) ones place
9) tens place
10) hundreds place

Comparing and Ordering Numbers

1) 23 less than 34
2) 89 less than 98
3) 45 greater than 25
4) 34 greater than 32
5) 91 equal to 91
6) 57 greater than 55
7) 85 greater than 78
8) 56 greater than 43
9) 34 equal to 34
10) 92 less than 98
11) 38 less than 46
12) 67 greater than 58
13) 88 greater than 69
14) 23 less than 34
15) –19, –15, –4, 1, 20
16) –5, –3, 2, 4, 6
17) –42, –22, 0, 15, 19
18) –91, –55, –13, 0, 26, 67
19) –71, –54, –39, –25, –17, 90
20) 5, 19, 24, 46, 77, 98

Word Names for Numbers

1) four hundred thirty-four
2) eight hundred nine
3) seven hundred thirty
4) two hundred seventy-two
5) two hundred sixty-six
6) nine hundred two
7) one thousand, four hundred eighteen
8) one thousand, three hundred sixty-five

9) three thousand, three hundred seventy-four

10) two thousand, four hundred eighty-six

11) seven thousand, six hundred seventy-one

12) six thousand, two hundred ninety

13) three thousand, one hundred forty-seven

14) five thousand, twelve

Roman Numerals

1) II
2) VI
3) IV
4) IX
5) X
6) VII
7) III
8) I
9) V
10) VIII
11) IX
12) XI
13) VI
14) XII

Rounding Numbers

1) 2000
2) 3000
3) 3360
4) 1280
5) 2360
6) 1330
7) 1200
8) 1460
9) 7500
10) 1910
11) 4240
12) 9000
13) 3450
14) 2600
15) 1200
16) 7700
17) 9290
18) 5240
19) 2490
20) 2900
21) 10,000
22) 4560
23) 6900
24) 9870

Odd or Even

1) even
2) odd
3) odd
4) even
5) odd
6) odd
7) even
8) odd
9) even
10) even
11) even
12) odd
13) 22
14) 26
15) 24
16) 58
17) 53
18) 73
19) 63
20) 27