5 Full-Length SSAT Upper Level Math Practice Tests

The Practice You Need to Ace the SSAT Upper Level Math Test

2020

Reza Nazari & Ava Ross

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By

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Description

5 Full-Length SSAT Upper Level Math Practice Tests, which reflects the 2019 and 2020 test guidelines and topics, is designed to help you hone your math skills, overcome your exam anxiety, and boost your confidence -- and do your best to ace the SSAT Upper Level Math Test. The realistic and full-length SSAT Upper Level Math tests show you how the test is structured and what math topics you need to master. The practice test questions are followed by answer explanations to help you find your weak areas, learn from your mistakes, and raise your SSAT Upper Level Math score.

The surest way to succeed on SSAT Upper Level Math Test is with intensive practice in every math topic tested-- and that's what you will get in ***5 Full-Length SSAT Upper Level Math Practice Tests***. This SSAT Upper Level Math new edition has been updated to replicate questions appearing on the most recent SSAT Upper Level Math tests. This is a precious learning tool for SSAT Upper Level Math test takers who need extra practice in math to improve their SSAT Math score. After taking the SSAT Math practice tests in this book, you will have solid foundation and adequate practice that is necessary to succeed on the SSAT Upper Level Math test. **This book is your ticket to ace the SSAT Upper Level Math!**

5 Full-Length SSAT Upper Level Math Practice Tests contains many exciting and unique features to help you improve your test scores, including:

- Content 100% aligned with the 2019 - 2020 SSAT Upper Level test
- Written by SSAT Math tutors and test experts
- Complete coverage of all SSAT Upper Level Math concepts and topics which you will be tested
- Detailed answers and explanations for every SSAT Upper Level Math practice questions to help you learn from your mistakes
- 5 full-length practice tests (featuring new question types) with detailed answers

This SSAT Upper Level Math book and other Effortless Math Education books are used by thousands of students each year to help them review core content areas, brush-up in math, discover their strengths and weaknesses, and achieve their best scores on the SSAT Upper Level test.

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
– GRE 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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SSAT Upper Level Test Review

The SSAT, or Secondary School Admissions Test, is a standardized test to help determine admission to private elementary, middle and high schools.

There are currently three Levels of the SSAT:

- ✓ Lower Level (for students in 3rd and 4th grade)
- ✓ Middle Level (for students in 5th-7th grade)
- ✓ Upper Level (for students in 8th-11th grade)

There are six sections on the SSAT Upper Level Test:

- ✓ Writing: 25 minutes.
- ✓ Math section: 25 questions, 30 minutes
- ✓ Reading section: 40 questions, 40 minutes
- ✓ Verbal section: 60 questions, 30 minutes
- ✓ Math section: 25 questions, 30 minutes
- ✓ Experimental: 16 questions, 15 minutes.

In this book, there are 5 complete SSAT Upper Level Math Practice Tests. Take these tests to see what score you'll be able to receive on a real SSAT Upper Level test.

Good luck!

Time to Test

Time to refine your skill with a practice examination

Take a practice SSAT Upper Level Mathematics Test to simulate the test day experience. After you've finished, score your test using the answer keys.

Before You Start

- You'll need a pencil and a timer to take the test.
- Each test contains 25 multiple-choice questions. For each question, there are five possible answers. Choose which one is best.
- After you've finished the test, review the answer key to see where you went wrong.
- Use the answer sheet provided to record your answers. (You can cut it out or photocopy it)
- You will receive 1 point for every correct answer, and you will lose $\frac{1}{4}$ point for each incorrect answer. There is no penalty for skipping a question.

Calculators are NOT permitted for the SSAT Upper Level Test

Good Luck!

SSAT Upper Level Math Practice Test 1

2019 - 2020

Two Parts

Total number of questions: 50

Section 1: 25 questions

Section 2: 25 questions

Total time for two parts: 60 Minutes

SSAT Upper Level Math Practice Test 1 Answer Sheet

Remove (or photocopy) this answer sheet and use it to complete the practice test.

SSAT Upper Level Mathematics Practice Test 1 Answer Sheet

SSAT Upper Level Practice Section 1

1	A B C D E	11	A B C D E	21	A B C D E				
2	A B C D E	12	A B C D E	22	A B C D E				
3	A B C D E	13	A B C D E	23	A B C D E				
4	A B C D E	14	A B C D E	24	A B C D E				
5	A B C D E	15	A B C D E	25	A B C D E				
6	A B C D E	16	A B C D E						
7	A B C D E	17	A B C D E						
8	A B C D E	18	A B C D E						
9	A B C D E	19	A B C D E						
10	A B C D E	20	A B C D E						

SSAT Upper Level Practice Section 2

1	A B C D E	11	A B C D E	21	A B C D E				
2	A B C D E	12	A B C D E	22	A B C D E				
3	A B C D E	13	A B C D E	23	A B C D E				
4	A B C D E	14	A B C D E	24	A B C D E				
5	A B C D E	15	A B C D E	25	A B C D E				
6	A B C D E	16	A B C D E						
7	A B C D E	17	A B C D E						
8	A B C D E	18	A B C D E						
9	A B C D E	19	A B C D E						
10	A B C D E	20	A B C D E						

SSAT Upper Level Math

Practice Test 1

Section 1

25 questions

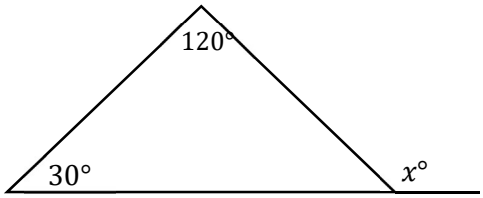
Total time for this section: 30 Minutes

You may NOT use a calculator for this test.

1) A school wants to give each of its 22 top students a football ball. If the balls are in boxes of four, how many boxes of balls they need to purchase?
   A. 2
   B. 4
   C. 6
   D. 8
   E. 22

2) A shaft rotates 240 times in 12 seconds. How many times does it rotate in 20 seconds?
   A. 450
   B. 400
   C. 300
   D. 250
   E. 200

3) What is the value of x in the following figure?



   A. 150
   B. 145
   C. 135
   D. 125
   E. 115

4) $14.125 \div 0.005$?
   A. 2.825
   B. 28.250
   C. 282.50
   D. 2825
   E. 28025

5) How many tiles of $5\ cm^2$ is needed to cover a floor of dimension $5\ cm$ by $20\ cm$?
   A. 5
   B. 10
   C. 15
   D. 20
   E. 25

6) If $\frac{30}{A} + 1 = 7$, then $30 + A = ?$
   A. 2
   B. 7
   C. 35
   D. 40
   E. 50

7) What is the value of the sum of the tens and thousandths in number $3{,}617.89652$?

A. 16
B. 11
C. 8
D. 14
E. 6

8) Jack earns $\$720$ for his first 45 hours of work in a week and is then paid 1.5 times his regular hourly rate for any additional hours. This week, Jack needs $\$936$ to pay his rent, bills and other expenses. How many hours must he work to make enough money in this week?

A. 50
B. 54
C. 60
D. 63
E. 64

9) If 50% of a number is 85, then what is the 20% of that number?

A. 34
B. 40
C. 50
D. 60
E. 85

10) Which of the following statements is correct, according to the graph below?



A. Number of books sold in April was twice the number of books sold in July.
B. Number of books sold in July was less than half the number of books sold in May.
C. Number of books sold in June was half the number of books sold in April.
D. Number of books sold in July was equal to the number of books sold in April plus the number of books sold in June.
E. More books were sold in April than in July.

11) If $x \blacksquare y = \sqrt{x^2 + y}$, what is the value of $6 \blacksquare 28$?

A. $\sqrt{168}$
B. 10
C. 8
D. 6
E. 4

12) If $2 \leq x < 6$, what is the minimum value of the following expression?

$$3x + 1$$

A. 9
B. 7
C. 4
D. 2
E. 1

13) What is the answer of $0.9 \div 0.015$?

A. $\frac{1}{60}$
B. $\frac{1}{6}$
C. 6
D. 60
E. 600

14) $\frac{1\frac{4}{3}+\frac{1}{4}}{2\frac{1}{2}-\frac{17}{8}}$ is approximately equal to.

A. 3.33
B. 3.6
C. 5.67
D. 6.88
E. 6.97

15) There are four equal tanks of water. If $\frac{2}{5}$ of a tank contains 300 liters of water, what is the capacity of the three tanks of water together?

A. $1{,}500$
B. $2{,}000$
C. $2{,}500$
D. $3{,}000$
E. $3{,}500$

16) A cruise line ship left Port A and traveled 30 miles due west and then 40 miles due north. At this point, what is the shortest distance from the cruise to port A?

A. 50 miles
B. 55 miles
C. 60 miles
D. 70 miles
E. 110 miles

17) The average weight of 20 girls in a class is $55\ kg$ and the average weight of 42 boys in the same class is $82\ kg$. What is the average weight of all the 62 students in that class?

A. 70
B. 72.20
C. 73.29
D. 74.44
E. 75.20

18) Two-kilograms apple and two-kilograms orange cost $\$28.4$. If one-kilogram apple costs $\$5.2$, how much does one-kilogram orange cost?

A. $\$9$
B. $\$6.5$
C. $\$6$
D. $\$5.5$
E. $\$5$

19) David's current age is 44 years, and Ava's current age is 4 years old. In how many years David's age will be 5 times Ava's age?

A. 4
B. 6
C. 8
D. 10
E. 14

20) Michelle and Alec can finish a job together in 50 minutes. If Michelle can do the job by herself in 2.5 hours, how many minutes does it take Alec to finish the job?

A. 60
B. 75
C. 80
D. 100
E. 150

21) The sum of six different negative integers is -80. If the smallest of these integers is -16, what is the largest possible value of one of the other five integers?

A. -16
B. -10
C. -8
D. -4
E. -1

22) What is the slope of a line that is perpendicular to the line $2x - 4y = 24$?

A. -2
B. $-\frac{1}{2}$
C. 6
D. 12
E. 14

23) The width of a box is one third of its length. The height of the box is one half of its width. If the length of the box is $24\ cm$, what is the volume of the box?

A. $91\ cm^3$
B. $172\ cm^3$
C. $254\ cm^3$
D. $768\ cm^3$
E. $2{,}990\ cm^3$

24) A football team won exactly 70% of the games it played during last session. Which of the following could be the total number of games the team played last season?

A. 59
B. 45
C. 72
D. 20
E. 11

25) The Jackson Library is ordering some bookshelves. If x is the number of bookshelves the library wants to order, which each costs $\$200$ and there is a one-time delivery charge of $\$600$, which of the following represents the total cost, in dollar, per bookshelf?

A. $\frac{200x+600}{x}$
B. $\frac{200x+600}{200}$
C. $200 + 600x$
D. $200x + 600$
E. $200x - 600$

IF YOU FINISH BEFORE TIME IS CALLED, YOU MAY CHECK YOUR WORK ON THIS SECTION ONLY. DO NOT TURN TO ANY OTHER SECTION IN THE TEST. STOP

SSAT Upper Level Math

Practice Test 1

Section 2

25 questions

Total time for this section: 30 Minutes

You may NOT use a calculator for this test.

1) There are 14 marbles in the bag A and 18 marbles in the bag B. If the sum of the marbles in both bags will be shared equally between two children, how many marbles bag A has less than the marbles that each child will receive?
   A. 2
   B. 3
   C. 4
   D. 5
   E. 6

2) If Jason's mark is F more than Alex, and Jason's mark is 18, which of the following can be Alex's mark?
   A. $18 - F$
   B. $F - 18$
   C. $\frac{F}{18}$
   D. $18F$
   E. $18 + F$

3) When number $81{,}602$ is divided by 240, the result is closest to?
   A. 4
   B. 30
   C. 200
   D. 300
   E. 340

4) The price of a sofa is decreased by 50% to $\$530$. What was its original price?
   A. $\$580$
   B. $\$620$
   C. $\$760$
   D. $\$900$
   E. $\$1{,}060$

5) If the perimeter of the following figure be 33, what is the value of x?
   A. 3
   B. 4
   C. 6
   D. 8
   E. 11

