5 Full-Length SSAT Middle Level Math Practice Tests

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

2020

Reza Nazari & Ava Ross

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The Practice You Need to Ace the SSAT

Middle Level Math Test

By

Reza Nazari & Ava Ross

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Description

5 Full-Length SSAT Middle 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 Middle Level Math Test. The realistic and full-length SSAT Middle Level Math tests, which reflect the format and question types on the GED, 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 Middle Level Math score.

The surest way to succeed on SSAT Middle Level Math Test is with intensive practice in every math topic tested-- and that's what you will get in ***5 Full-Length SSAT Middle Level Math Practice Tests***. This SSAT Middle Level Math new edition has been updated to replicate questions appearing on the most recent SSAT Middle Level Math tests. This is a precious learning tool for SSAT Middle 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 Middle Level Math test. **This book is your ticket to ace the SSAT Middle Level Math!**

5 Full-Length SSAT Middle 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 Middle Level test
- Written by SSAT Math tutors and test experts
- Complete coverage of all SSAT Middle Level Math concepts and topics which you will be tested
- Detailed answers and explanations for every SSAT Middle 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 Middle 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 Middle 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 Middle 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 Middle 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 Middle Level Math Practice Tests. Take these tests to see what score you'll be able to receive on a real SSAT Middle Level test.

Good luck!

Time to Test

Time to refine your skill with a practice examination

Take a practice SSAT Middle 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.
- 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 Middle Level Test

Good Luck!

SSAT Middle 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 Middle Level Math Practice Test 1 Answer Sheet

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

SSAT Middle Level Mathematics Practice Test 1 Answer Sheet

SSAT Middle Level Practice Test 1 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 Middle Level Practice Test 1 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)
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10 (A) (B) (C) (D) (E)	20 (A) (B) (C) (D) (E)	

SSAT Middle Level Math

Practice Test 1

Section 1

25 questions

Total time for this test: 30 Minutes

You may NOT use a calculator on this part.

1. If 30 percent of a number is 60, then 20 percent of the same number is …
   (A) 12
   (B) 18
   (C) 25
   (D) 30
   (E) 40

2. Which of the following is NOT equal to 2×0.4?
   (A) 4×0.2
   (B) 1×0.8
   (C) $\frac{16}{8} \times \frac{4}{10}$
   (D) $\frac{5}{15} \times 3$
   (E) 0.8×1

3. Sara has M books. Mary has 6 more books than Sara. If Mary gives Sara 4 books, how many books will Mary have, in terms of M?
   (A) M
   (B) $M + 1$
   (C) $M + 2$
   (D) $M + 6$
   (E) $M - 6$

4. If $\frac{x}{2} = 30$, then $\frac{3x}{2} =$?
   (A) 10
   (B) 20
   (C) 30
   (D) 45
   (E) 90

5. Which of the following is closest to $\frac{1}{6}$ of 40?
   (A) 0.3×6
   (B) 0.3×5
   (C) 0.2×30
   (D) 0.2×35
   (E) 0.2×39.5

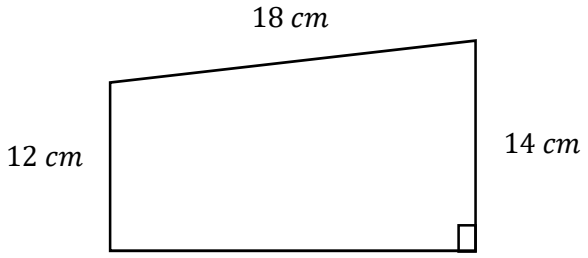
6. What is the area of a square whose diagonal is 8?
   (A) 16
   (B) 32
   (C) 36
   (D) 64
   (E) 80

7. An angle is equal to one fifth of its supplement. What is the measure of that angle?
   (A) 20
   (B) 30
   (C) 45
   (D) 60
   (E) 150

8. A $\$44$ shirt now selling for $\$28$ is discounted by approximately what percent?
   (A) 20%
   (B) 36%
   (C) 40%
   (D) 60%
   (E) 80%

9. 6 liters of water are poured into an aquarium that's $25cm$ long, $5cm$ wide, and $60cm$ high. How many centimeters will the water level in the aquarium rise due to this added water? ($1\ liter\ of\ water = 1{,}000\ cm^3$)
   (A) 80
   (B) 48
   (C) 20
   (D) 10
   (E) 8

10. The perimeter of the trapezoid below is 64. What is its area?
   (A) $260\ cm^2$
   (B) $234\ cm^2$
   (C) $216\ cm^2$
   (D) $130\ cm^2$
   (E) $108cm^2$



11. The score of Emma was half as that of Ava and the score of Mia was twice that of Ava. If the score of Mia was 40, what is the score of Emma?
   (A) 10
   (B) 18
   (C) 20
   (D) 30
   (E) 32

12. Two third of 9 is equal to $\frac{2}{5}$ of what number?
    (A) 60
    (B) 20
    (C) 15
    (D) 30
    (E) 36

13. If three times a number added to 5 equals to 32, what is the number?
    (A) 2
    (B) 4
    (C) 6
    (D) 9
    (E) 10

14. Solve for x: $4(x + 1) = 6(x - 4) + 20$
    (A) 12
    (B) 6.5
    (C) 4
    (D) 2
    (E) 1

15. Karen is 9 years older than her sister Michelle, and Michelle is 4 years younger than her brother David. If the sum of their ages is 82, how old is Michelle?
    (A) 14
    (B) 23
    (C) 22
    (D) 25
    (E) 30

16. Two-kilograms apple and two-kilograms orange cost $\$26.4$. If one-kilogram apple costs $\$4.2$ how much does one-kilogram orange cost?
    (A) $\$9$
    (B) $\$6$
    (C) $\$5.5$
    (D) $\$5$
    (E) $\$4.5$

17. The average weight of 18 girls in a class is $50\ kg$ and the average weight of 32 boys in the same class is $62\ kg$. What is the average weight of all the 50 students in that class?
(A) 57.68
(B) 61.68
(C) 61.90
(D) 62.20
(E) 64.00

18. What is the value of x in this equation? $6(x + 4) = 78$
(A) 4
(B) 6
(C) 9
(D) 10
(E) 12

19. When a number is subtracted from 32 and the difference is divided by that number, the result is 3. What is the value of the number?

(A) 2
(B) 4
(C) 8
(D) 12
(E) 15

20. Which is the correct statement?
(A) $\frac{3}{4} > 0.8$
(B) $10\% = \frac{2}{5}$
(C) $3 < \frac{5}{2}$
(D) $\frac{5}{6} > 0.8$
(E) $2.5\% = 0.25$

21. In a group of 5 books, the average number of pages is 24. Mary adds a book with 36 pages to the group. What is the new average number of pages per book?
(A) 20
(B) 22
(C) 24
(D) 26
(E) 30

22. 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?

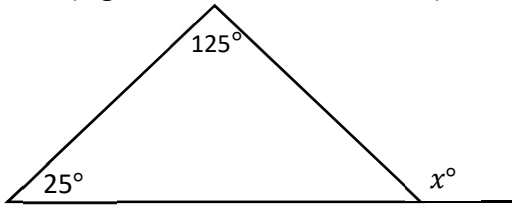
(A) 49
(B) 40
(C) 32
(D) 12
(E) 9

23. If a gas tank can hold 35 gallons, how many gallons does it contain when it is $\frac{2}{5}$ full?

(A) 50
(B) 125
(C) 62.5
(D) 14
(E) 8

24. What is the value of x in the following figure? (Figure is not drawn to scale)

(A) 150
(B) 145
(C) 125
(D) 105
(E) 85



25. The capacity of a red box is 20% bigger than the capacity of a blue box. If 36 books can be put in the red box, how many books can be put in the blue box?

(A) 15
(B) 20
(C) 24
(D) 30
(E) 32

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

STOP

SSAT Middle Level Math

Practice Test 1

Section 2

25 questions

Total time for this test: 30 Minutes

You may NOT use a calculator on this part.

1. A taxi driver earns $\$8$ per 1-hour work. If he works 10 hours a day and in 1 hour he uses 2-liters petrol with price $\$1$ for 1-liter. How much money does he earn in one day?
   (A) $\$90$
   (B) $\$88$
   (C) $\$70$
   (D) $\$60$
   (E) $\$56$

2. Which of the following is less than $\frac{1}{5}$?
   (A) $\frac{1}{4}$
   (B) 0.5
   (C) $\frac{1}{7}$
   (D) 0.28
   (E) 0.31

3. Amy and John work in a same company. Last month, both of them received a raise of 20 percent. If Amy earns $\$30.00$ per hour now and John earns $\$28.80$, Amy earned how much more per hour than John before their raises?
   (A) $\$8.25$
   (B) $\$4.25$
   (C) $\$3.00$
   (D) $\$2.25$
   (E) $\$1.00$

4. Three people can paint 3 houses in 12 days. How many people are needed to paint 6 houses in 6 days?
   (A) 6
   (B) 8
   (C) 12
   (D) 16
   (E) 20

5. If $N \times (6 - 3) = 12$ then $N =$?
   (A) 4
   (B) 12
   (C) 13
   (D) 14
   (E) 18