PSAT MATH Practice Workbook 2022

The Most Comprehensive Review for the Math Section of the PSAT TEST

2 full-length PSAT Math practice tests

Test Taker's #1 Choice

Comprehensive PSAT MATH WorkBook

- ✓ Hone Your Math Skills
- ✓ Boost Your Confidence
- ✓ Overcome Your Exam Anxiety

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✓ Recommended by Test Prep Experts

Reza Nazari

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2022

The Most Comprehensive Review for the Math Section of the PSAT Test

By

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Welcome to
PSAT / NMSQT Math Prep 2022



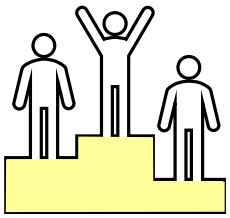
Thank you for choosing Effortless Math for your PSAT Math test preparation and congratulations on making the decision to take the PSAT test! It's a remarkable move you are taking, one that shouldn't be diminished in any capacity.

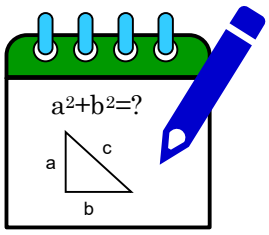


That's why you need to use every tool possible to ensure you succeed on the test with the highest possible score, and this extensive math workbook is one such tool.

If math has never been a strong subject for you, don't worry! This book along with our online PSAT Math resources will help you prepare for (and even ACE) the PSAT Math test. As test day draws nearer, effective preparation becomes increasingly more important. Thankfully, you have this comprehensive workbook to help you get ready for the test. With this book and Effortless Math online resources, you can feel confident that you will be more than ready for the PSAT Math test when the time comes.

First and foremost, it is important to note that this book is a workbook and not a textbook. Every lesson of this practice book was carefully developed to ensure that you are making the most effective use of your time while preparing for the test. This up-to-date book reflects the 2022 test guidelines and will put you on the right track to hone your math skills, overcome exam anxiety, and boost your confidence, so that you can have your best to succeed on the PSAT Math test.





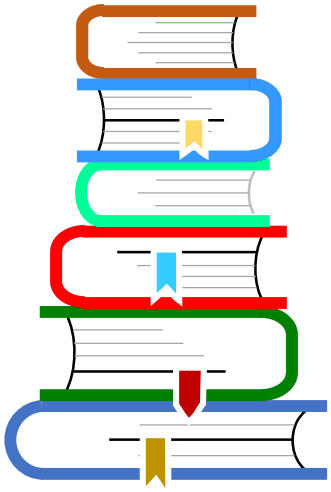
This exercise book will:

- ☑ Explain the format of the PSAT Math test.
- ☑ Describe specific test-taking strategies that you can use on the test.
- ☑ Provide PSAT Math test-taking tips.
- ☑ Help you identify the areas in which you need to concentrate your study time.
- ☑ Offer exercises that help you develop the basic math skills you will learn in each section.
- ☑ Give **2 realistic and full-length practice tests** (featuring new question types) with detailed answers to help you measure your exam readiness and build confidence.

This resource contains comprehensive practice questions and exercises that you will need to prepare for the PSAT Math test. You'll get numerous skill building exercises as well as tips and techniques on how to prepare for your PSAT math test.

In addition, in the following pages you'll find:

- **How to Use This Book Effectively** – This section provides you with step-by-step instructions on how to get the most out of this comprehensive study guide.
- **How to study for the PSAT Math Test** – A six-step study program has been developed to help you make the best use of this book and prepare for your PSAT Math test. Here you'll find tips and strategies to guide your study program and help you understand PSAT Math and how to ace the test.



Multiplying and Dividing Integers

Solve.

1) $(-6) \times (-7) =$

2) $8 \times (-5) =$

3) $48 \div (-8) =$

4) $(-72) \div 9 =$

5) $(4) \times (-6) =$

6) $(-9) \times (-11) =$

7) $(10) \div (-5) =$

8) $144 \div (-12) =$

9) $(10) \times (-2) =$

10) $(-8) \times (-2) \times 5 =$

11) $(8) \div (-2) =$

12) $45 \div (-15) =$

13) $(5) \times (-7) =$

14) $(-6) \times (-5) \times 4 =$

15) $(12) \div (-6) =$

16) $(14) \div (-7) =$

17) $196 \div (-14) =$

18) $(27 - 13) \times (-2) =$

19) $125 \div (-5) =$

20) $66 \div (-6) =$

21) $(-6) \times (-5) \times 3 =$

22) $(15 - 6) \times (-3) =$

23) $(32 - 24) \div (-4) =$

24) $72 \div (-6) =$

25) $(-14 + 8) \times (-7) =$

26) $(-3) \times (-9) \times 3 =$

27) $84 \div (-12) =$

28) $(-12) \times (-10) =$

29) $22 \times (-3) =$

30) $(-2) \times (-6) \times 5 =$

31) $(24) \div (-3) =$

32) $(-15) \div (3) =$



Order of Operation

Calculate.

1) $16 + (30 \div 5) =$
2) $(3 \times 9) \div (-3) =$
3) $57 - (3 \times 8) =$
4) $(-12) \times (7 - 3) =$
5) $(18 - 7) \times (6) =$
6) $(6 \times 10) \div (12 + 3) =$
7) $(13 \times 2) - (24 \div 6) =$
8) $(-5) + (4 \times 3) + 8 =$
9) $(4 \times 2^3) + (16 - 9) =$
10) $(3^2 \times 7) \div (-2 + 1) =$
11) $[-2(48 \div 2^3)] - 6 =$
12) $(-4) + (7 \times 8) + 18 =$
13) $(3 \times 7) + (16 - 7) =$
14) $[3^3 \times (48 \div 2^3)] \div (-2) =$
15) $(14 \times 3) - (3^4 \div 9) =$
16) $(96 \div 12) \times (-3) =$
17) $(48 \div 2^2) \times (-2) =$
18) $(56 \div 7) \times (-5) =$
19) $(-2^2) + (7 \times 9) - 21 =$
20) $(2^4 - 9) \times (-6) =$
21) $[4^3 \times (50 \div 5^2)] \div (-16) =$
22) $(3^2 \times 4^2) \div (-4 + 2) =$
23) $6^2 - (-6 \times 4) + 3 =$
24) $4^2 - (5^2 \times 3) =$
25) $(-4) + (12^2 \div 3^2) - 7^2 =$
26) $(3^2 \times 5) + (-5^2 - 9) =$
27) $2[(3^2 \times 5) \times (-6)] =$
28) $(11^2 - 2^2) - (-7^2) =$
29) $(2^2 \times 5) - (64 \div 8) =$
30) $2[(3^2 \times 4) + (35 \div 5)] =$
31) $(4^2 \times 3) \div (-6) =$
32) $3^2[(4^3 \div 16) - (3^3 \div 27)] =$



Integers and Absolute Value

Calculate.

1) $4 - |6 - 10| =$

2) $|14| - \frac{|-18|}{3} =$

3) $\frac{|8\times-8|}{4} \times \frac{|-20|}{5} =$

4) $|12 \times 3| + \frac{|-81|}{9} =$

5) $4 - |11 - 18| - |3| =$

6) $|18| - \frac{|-12|}{4} =$

7) $\frac{|5\times-8|}{10} \times \frac{|-22|}{11} =$

8) $|9 \times 3| + \frac{|-36|}{4} =$

9) $|-42 + 7| \times \frac{|-2\times5|}{10} =$

10) $6 - |17 - 11| - |5| =$

11) $|13| - \frac{|-54|}{6} =$

12) $\frac{|9\times-4|}{12} \times \frac{|-45|}{9} =$

13) $|-75 + 50| \times \frac{|-4\times5|}{5} =$

14) $\frac{|-26|}{13} \times \frac{|-32|}{8} =$

15) $14 - |8 - 18| - |-12| =$

16) $|29| - \frac{|-20|}{5} =$

17) $\frac{|3\times8|}{2} \times \frac{|-33|}{3} =$

18) $|-45 + 15| \times \frac{|-12\times5|}{6} =$

19) $\frac{|-50|}{5} \times \frac{|-77|}{11} =$

20) $12 - |2 - 7| - |15| =$

21) $|18| - \frac{|-45|}{15} =$

22) $\frac{|7\times8|}{4} \times \frac{|-48|}{12} =$

23) $\frac{|30\times2|}{3} \times |-12| =$

24) $\frac{|-36|}{9} \times \frac{|-80|}{8} =$

25) $|-30 + 9| \times \frac{|-8\times5|}{8} =$

26) $|16| - \frac{|-18|}{3} =$

27) $12 - |10 - \ \ 4| + |5| =$

28) $|-38 + 8| \times \frac{|-5\times6|}{10} =$

Answers – Chapter 3

Adding and Subtracting Integers

1) 6
2) 35
3) −16
4) −9
5) −4
6) −11
7) −4
8) −15
9) 24
10) −12
11) −12
12) 13
13) 18
14) −12
15) −11
16) −25
17) −2
18) 44
19) −18
20) 22
21) 11
22) −24
23) 45
24) −7
25) −13
26) −17
27) 3
28) −37
29) −15
30) −29
31) −12
32) 33

Multiplying and Dividing Integers

1) 42
2) −40
3) −6
4) −8
5) −24
6) 99
7) −2
8) −12
9) −2
10) 80
11) −4
12) −3
13) −35
14) 120
15) −2
16) −2
17) −14
18) −28
19) −25
20) −11
21) 90
22) −27
23) −2
24) −12
25) 42
26) 81
27) −7
28) 120
29) −66
30) 60
31) −8
32) −5

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Order of Operation

1) 22
2) -9
3) 33
4) -48
5) 66
6) 4
7) 22
8) 15
9) 39
10) -63
11) -18
12) 70
13) 30
14) -81
15) 33
16) -24
17) -24
18) -40
19) 38
20) -42
21) -8
22) -72
23) 63
24) -59
25) -37
26) 11
27) -540
28) 166
29) 12
30) 86
31) -8
32) 27

Integers and Absolute Value

1) 0
2) 8
3) 64
4) 45
5) -6
6) 15
7) 8
8) 36
9) 35
10) -5
11) 4
12) 15
13) 100
14) 8
15) -8
16) 25
17) 132
18) 300
19) 70
20) -8
21) 15
22) 56
23) 240
24) 40
25) 105
26) 10
27) 3
28) 90