5 Full-Length STAAR Grade 7 Math Practice Tests

The Practice You Need to Ace the STAAR Math Test

2020

Reza Nazari & Ava Ross

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By

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Description

5 Full-Length STAAR Grade 7 Math Practice Tests, which reflects the 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 STAAR Math Test. The realistic and full-length STAAR 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 STAAR Math score.

The surest way to succeed on STAAR Math Test is with intensive practice in every math topic tested-- and that's what you will get in ***5 Full-Length STAAR Grade 7 Math Practice Tests***. This STAAR Math new edition has been updated to replicate questions appearing on the most recent STAAR Math tests. This is a precious learning tool for STAAR Math test takers who need extra practice in math to improve their STAAR Math score. After taking the STAAR Math practice tests in this book, you will have solid foundation and adequate practice that is necessary to succeed on the STAAR Grade 7 Math test. **This book is your ticket to ace the STAAR Math Test!**

5 Full-Length STAAR Grade 7 Math Practice Tests contains many exciting and unique features to help you improve your test scores, including:

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

This STAAR 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 STAAR test.

5) A card is drawn at random from a standard 52–card deck, what is the probability that the card is of Clubs? (The deck includes 13 of each suit clubs, diamonds, hearts, and spades)

A. $\frac{1}{3}$

B. $\frac{1}{4}$

C. $\frac{1}{6}$

D. $\frac{1}{52}$

6) How long does a 380–miles trip take moving at 40 miles per hour (mph)?

A. 9 hours

B. 9 hours and 24 minutes

C. 9 hours and 30 minutes

D. 12 hours and 30 minutes

7) 16 yards 9 feet and 10 inches equals to how many inches?

A. 169

B. 561

C. 691

D. 961

8) A shirt costing $\$500$ is discounted 25%. After a month, the shirt is discounted another 15%. Which of the following expressions can be used to find the selling price of the shirt?

A. $(500)(0.60)$

B. $(500) - 500(0.40)$

C. $(500)(0.25) - (200)(0.15)$

D. $(500)(0.75)(0.85)$

9) Which of the following points lies on the line $x + 2y = 4$? (Select one or more answer choices)

A. $(-2, 3)$

B. $(1, 2)$

C. $(-1, 3)$

D. $(-3, 4)$

10) $[6 \times (-4) + 12] - (-8) + [3 \times 2] \div 2 = ?$

Write your answer in the box below.

11) The price of a car was $\$28{,}000$ in 2012. In 2013, the price of that car was $\$18{,}200$. What was the rate of depreciation of the price of car per year?

A. 20%

B. 30%

C. 35%

D. 40%

12) What is the equivalent temperature of $140°F$ in Celsius? $C = \frac{5}{9}(F - 32)$

A. 32

B. 40

C. 48

D. 60

13) The square of a number is $\frac{36}{64}$. What is the cube of that number?

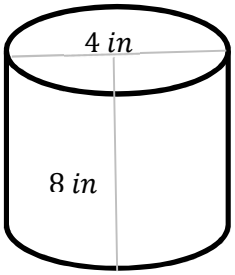
A. $\frac{6}{8}$

B. $\frac{25}{254}$

C. $\frac{216}{512}$

D. $\frac{125}{64}$

14) What is the surface area of the cylinder below?



A. $28\ \pi\ in^2$

B. $37\ \pi\ in^2$

C. $40\ \pi\ in^2$

D. $288\ \pi\ in^2$

15) If $3x - 5 = 8.5$, what is the value of $6x + 3$?

A. 13

B. 15.5

C. 20.5

D. 30

16) The average of 6 numbers is 12. The average of 4 of those numbers is 10. What is the average of the other two numbers?

A. 10

B. 12

C. 14

D. 16

17) Anita's trick–or–treat bag contains 15 pieces of chocolate, 10 suckers, 10 pieces of gum, 25 pieces of licorice. If she randomly pulls a piece of candy from her bag, what is the probability of her pulling out a piece of sucker?

A. $\frac{1}{3}$

B. $\frac{1}{4}$

C. $\frac{1}{6}$

D. $\frac{1}{12}$

18) Which of the following shows the numbers from least to greatest? $\frac{11}{15}, 75\%, 0.74, \frac{19}{25}$

A. $75\%, 0.74, \frac{11}{15}, \frac{19}{25}$

B. $75\%, 0.74, \frac{19}{25}, \frac{11}{15}$

C. $0.74, 75\%, \frac{11}{15}, \frac{19}{25}$

D. $\frac{11}{15}, 0.74, 75\%, \frac{19}{25}$

19) Mr. Carlos family are choosing a menu for their reception. They have 5 choices of appetizers, 7 choices of entrees, 3 choices of cake. How many different menu combinations are possible for them to choose?

A. 35

B. 75

C. 105

D. 150

20) Four one – foot rulers can be split among how many users to leave each with $\frac{1}{3}$ of a ruler?

A. 4

B. 6

C. 12

D. 24

21) What is the area of a square whose diagonal is 4?

A. 8

B. 32

C. 36

D. 64

22) The ratio of boys to girls in a school is $2:3$. If there are 600 students in a school, how many boys are in the school.

A. 60

B. 120

C. 240

D. 480

23) The diagonal of a rectangle is 13 inches long and the height of the rectangle is 5 inches. What is the area of the rectangle in inches?

A. 20

B. 60

C. 120

D. 200

24) Mr. Jones saves $\$5{,}000$ out of his monthly family income of $\$85{,}000$. What fractional part of his income does he save?

A. $\frac{1}{17}$

B. $\frac{1}{13}$

C. $\frac{3}{23}$

D. $\frac{2}{27}$

25) 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

26) What is the volume of a box with the following dimensions?

Hight = $8\ cm$ Width = $4\ c$ Length = $5\ c$

A. $32\ cm^3$

B. $120\ cm^3$

C. $140\ cm^3$

D. $160\ cm^3$

27) In two successive years, the population of a town is increased by 10% and 20%. What percent of the population is increased after two years?

A. 30%

B. 32%

C. 34%

D. 68%

28) Last week $25{,}000$ fans attended a football match. This week three times as many bought tickets, but one sixth of them cancelled their tickets. How many are attending this week? Write your answer in the box below.

29) How many tiles of $4\ cm^2$ is needed to cover a floor of dimension $5\ cm$ by $20\ cm$?

A. 5

B. 20

C. 25

D. 35