

10 Virginia SOL Grade 3 Math Practice Tests

The Ultimate Test Prep Collection with Answer Explanations

Dr. A. Nazari

Copyright © 2026 Dr. A. Nazari

Published by View Math Education

ViewMath.com

All rights reserved. No part of this publication may be reproduced, distributed, or transmitted in any form or by any means, including photocopying, recording, or other electronic or mechanical methods, without the prior written permission of the author, except in the case of brief quotations embodied in critical reviews and certain other noncommercial uses permitted by copyright law, including Section 107 or 108 of the 1976 United States Copyright Act.

The information in this book is distributed on an “as is” basis, without warranty. While every precaution has been taken in the preparation of this work, neither the author nor the publisher shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in this book.

Copyright © 2026

ULTIMATE MASTERY

10 Practice Tests — The Ultimate Math Workout!

Welcome, math master! 👑

You're holding the **ultimate practice test book** — 10 complete tests that will take you from good to great. This is the most thorough math test training you can get, covering every Grade 3 topic from every angle!

👑 **10 tests** means **300 questions** of pure practice!

👑 Every topic covered **multiple times!**

👑 By the end, you'll **master** the math test!

This is your moment. Let's make it count! 🚀

“ Ten practice tests! That's the commitment of a true math master. By the end of this book, there won't be a single question type that can surprise you! ”

Your Mastery Plan

A complete guide to conquering 10 practice tests!

What's Inside This Book

- **10 Full-Length Practice Tests** — 300 questions covering every Grade 3 math topic from every angle!
- **Complete Answer Explanations** — Every question has a detailed step-by-step solution so you truly understand.
- **Reference Pages** — Math symbols chart and multiplication table to use whenever you need them.
- **Mastery Tracker** — Track scores, set milestones, and see your journey from start to finish!

Your 10-Test Roadmap

- **Tests 1–3** **Learn the Ropes.** No timer. Discover strengths and gaps.
 - **Tests 4–6** **Build Momentum.** Start timing. Study weak spots between tests.
 - **Tests 7–9** **Push Your Limits.** Full test conditions. Aim for personal bests.
 - **Test 10** **The Grand Finale!** Your ultimate performance. You're ready!
-  **Tip:** One test per week over 10 weeks is the ideal pace.

Multiple Choice

Pick the best answer from A, B, C, or D.

Master tip: After you pick an answer, ask yourself: "Why are the other three wrong?" If you can explain that, you truly understand the concept!

Short Answer

Show your work and write a clear answer.

Master tip: Write your steps as if you're teaching a friend. If someone could follow your work and get the same answer, you've shown your work the right way!

The Mastery Cycle



With 10 tests, you have the space to truly master each topic. After every test: **(1)** Check answers. **(2)** Study the explanations. **(3)** Practice tricky topics using our **Grade 3 Math Study Guide**. **(4)** Take the next test and watch your score climb!

👑 10 tests. 300 questions. 1 amazing math master. That's you! 👑

PREVIEW



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



💡 Master-Level Strategies 💡

Expert tricks to help you ace every single test!

👑 Your Test-Day Routine

Do this before **every single test**. Make it a habit!

1. **Rest & refuel** — Get sleep the night before. Eat well.
2. **Set up your workspace** — Clear desk. Pencils, eraser, scratch paper.
3. **Set your intention** — “Today I’ll focus on showing my work.” or “Today I’ll double-check every answer.”
4. **Deep breaths** — 3 slow breaths to focus your mind.
5. **Start!** — Remember: this is practice. You’re here to learn.

✂️ Advanced Problem-Solving

1. **Read, re-read, then plan.** Read the question. Read it again. Then decide how to solve it.
2. **Estimate first.** Before you calculate, make a rough guess. If your answer is way off from your estimate, something went wrong!
3. **Use elimination on multiple choice.** Cross out 1–2 wrong answers before picking. This boosts your odds!
4. **Draw it out.** Fractions, arrays, word problems — a quick sketch often reveals the answer.
5. **Label everything.** Write “apples,” “cm,” “\$” next to your numbers. It catches silly mistakes.
6. **Work backwards to check.** Got $24 \div 6 = 4$? Check: $4 \times 6 = 24$. Perfect!

🕒 Smart Pacing

- **First pass:** Answer everything you know quickly (~30 min)
- **Second pass:** Tackle the harder questions (~15 min)
- **Third pass:** Check all answers (~10 min)
- Don’t spend more than 2 minutes on any single question
- Star the hard ones and come back!

🧠 The Mastery Mindset

- Mistakes are data, not failures
- Compare yourself to your past self, not others
- Focus on understanding, not memorizing
- Every test you take makes the next one easier
- You’re training, not being tested!



“Here’s the truth: after 10 tests, you’ll know these math topics better than almost anyone in your class. Not because you’re “smarter,” but because you **practiced more**. That’s the secret behind every math master!”

PREVIEW



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



[ViewMath.com](https://www.viewmath.com)



X¹ Math Reference Sheet X¹

You may use this page during your practice tests!

Symbol	Name	What It Means	
+	Plus (Add)	Put numbers together.	$3 + 5 = 8$
-	Minus (Subtract)	Take away from a number.	$9 - 4 = 5$
×	Times (Multiply)	Add equal groups.	$4 \times 3 = 12$
÷	Divide	Split into equal groups.	$12 \div 3 = 4$
=	Equals	Both sides are the same.	$2 + 3 = 5$
>	Greater Than	The left number is bigger.	$7 > 3$
<	Less Than	The left number is smaller.	$2 < 9$
$\frac{1}{2}$	Fraction Bar	Part of a whole. $\frac{1}{2}$ means 1 out of 2 equal parts	

Key Math Words

- **Sum** — the answer when you add
- **Difference** — the answer when you subtract
- **Product** — the answer when you multiply
- **Quotient** — the answer when you divide
- **Factor** — a number you multiply
- **Array** — objects in rows and columns
- **Fraction** — a part of a whole
- **Numerator** — the top number in a fraction
- **Denominator** — the bottom number
- **Equation** — a math sentence with =
- **Estimate** — a smart guess, close to the real answer
- **Perimeter** — the distance around a shape
- **Area** — the space inside a shape
- **Rounding** — making a number simpler by going to the nearest ten or hundred

 **Word Problem Clue Words**

- **Add (+):** *in all, total, altogether, combined, sum, both, more*
- **Subtract (–):** *how many more, how many left, fewer, difference, remain*
- **Multiply (×):** *each, every, groups of, times, rows of, per*
- **Divide (÷):** *share equally, split, each group, how many groups, per*

PREVIEW



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



Contents



Practice Test 1 1

PREVIEW



Find more at
ViewMath.com/Grade3



PRACTICE TEST

1

Practice Test 1

 30 Questions

Before You Start

- ✓ *Read each question carefully before choosing your answer.*
- ✓ *Show your work on scratch paper when you need to.*
- ✓ *Skip hard questions and come back to them later.*
- ✓ *Check your answers when you're done.*
- ✓ *Take your time — there's no rush!*

★ *You've Got This!* ★

Do your best and show what you know!



7. What is $4,685 + 2,738$?

(A) 6,423

(B) 7,323

(C) 7,413

(D) 7,423

8. Estimate $793 - 348$ by rounding each number to the nearest ten.

Your Answer:

9. What is $24 \div 3$?

(A) 6

(B) 7

(C) 8

(D) 9

10. Find the missing number: $? \times ? = 49$ where both missing numbers are the same.

(A) 6

(B) 7

(C) 8

(D) 9

11. Two fractions land on the same spot on a number line. What does this tell you?

(A) They have the same denominator

(B) They have the same numerator

(C) They are equivalent

(D) One is larger than the other

12. Which of these is a way to write 5 as a fraction?

(A) $\frac{5}{1}$

(B) $\frac{10}{2}$

(C) $\frac{15}{3}$

(D) All of the above



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



13. Which is greater: $\frac{7}{8}$ or $\frac{4}{8}$?

(A) $\frac{4}{8}$

(B) $\frac{7}{8}$

(C) They are equal

(D) Cannot tell

14. What is $\frac{3}{4} + \frac{1}{4}$?

Your Answer:

15. A cake is cut into 8 slices. You eat $\frac{3}{8}$ of the cake. What fraction is left?

(A) $\frac{3}{8}$

(B) $\frac{5}{8}$

(C) $\frac{5}{16}$

(D) $\frac{11}{8}$

16. Mom has $\frac{9}{4}$ cups of flour. What is this as a mixed number?

(A) $2\frac{1}{4}$

(B) $2\frac{3}{4}$

(C) $3\frac{1}{4}$

(D) $4\frac{1}{2}$

17. The short hand on a clock is past the 2 and the long hand points to the 7. What time does the clock show?

Your Answer:



Get Online



Find more at
ViewMath.com/Grade3



18. A straw reaches from 0 to just past the 7-inch mark, closer to 7 than to 8. What is its length to the nearest inch?

- (A) 6 inches (B) 7 inches
(C) 8 inches (D) $7\frac{1}{2}$ inches

19. A bag of apples has a mass of 3 kg. A bag of oranges has a mass of 5 kg. What is the total mass?

- (A) 2 kg (B) 15 kg
(C) 8 kg (D) 35 kg

20. What is $\$8.00 - \3.75 ?

- (A) \$4.25 (B) \$4.75
(C) \$5.25 (D) \$5.75

21. At 7 a.m. it was 52°F . By 3 p.m. it was 78°F . How many degrees did the temperature rise?

- (A) 16 degrees (B) 26 degrees
(C) 36 degrees (D) 130 degrees

22. A picture graph shows hats sold. The row for Red has 3 symbols and the row for Blue has 7 symbols. Each symbol stands for 2 hats. What is the total number of red and blue hats sold?

- (A) 10 (B) 14
(C) 17 (D) 20



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



28. An angle that opens wider than a right angle but is not a straight line is called:

- (A) An acute angle (B) A right angle
(C) An obtuse angle (D) A zero angle

29. Which of the following is a polygon?

- (A) A shape with one curved side and two straight sides (B) An open shape with 5 straight sides
(C) A closed shape with 7 straight sides (D) A shape with no sides

30. Jake has two square tiles. One has sides of 6 cm and the other has sides of 8 cm. Are they congruent?

Your Answer:



Get Online



Find more at
[ViewMath.com/Grade3](https://www.viewmath.com/Grade3)



★ *End of Practice Test 1* ★

Great job finishing the test!

 **My Score**

I got _____ out of 30 questions right.

*Check your answers in the **Answer Key** at the back of the book.*

 *Review any questions you missed. That's how we learn!*

THANK YOU

Enjoyed This Preview?

Get the Full Book!

This preview shows just a small sample of what's inside.

The complete book includes:

- ✓ *All chapters and topics*
- ✓ *Hundreds of practice problems*
- ✓ *Complete answer key with explanations*
- ✓ *Colorful visuals and step-by-step examples*
- ✓ *Reference sheets and progress trackers*

 Visit us at [ViewMath.com](https://www.viewmath.com) for free resources and more books!