



Virginia SOL Grade 3 Math In 10 Days

Test Prep for 3rd Graders

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☆ You've Got This! ☆

In just 10 days, you'll be ready to ace your math test!

📖 *How This Book Works* 📖

- 📅 *Review 3–5 topics each day — quick and focused!*
- 📄 *Review cards remind you of key rules and formulas*
- ✎ *Practice problems help you feel confident*
- 🛡️ *Test tips show you common mistakes to avoid*
- ✅ *Check off each day when you're done!*
- 💖 *Relax — you already know all of this!*

Tips for Success

- ✅ *Find a quiet place to study*
- ✅ *Review for 25–35 minutes each day*
- ✅ *Don't stress — this is just a review!*
- ✅ *Take a deep breath before each session*
- ✅ *You've learned all this in class already!*

☆ *Let's review and shine!* ☆



PREVIEW

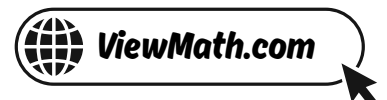
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How to Use This Book


This book is designed to help you **review everything you've already learned** in Grade 3 math. Each day covers 3–5 topics with quick review cards and practice problems.

Each Day Has:

1. **Day Opener** — See what you'll review today and track your progress.
2. **Review Cards** — Quick reminders of the key rules and formulas. Each card shows one important idea and a quick example.
3. **Test Tip** — Learn about common mistakes and how to avoid them on test day.
4. **Test Practice** — Try 2–3 problems for each topic. These are similar to what you'll see on your test.
5. **Confidence Check** — Rate how you feel about each topic. If you need more practice, go back and review!

Suggested Schedule:

-  Study **one day per session** (25–35 minutes)
-  Start **10 days before your test**
-  Check off each day on the **Progress Tracker**
-  Use the **Answer Key** at the back to check your work

 **Remember:** You already know all of this! This book just helps you feel confident and ready.

X¹ Math Symbols You Should Know X¹

You'll see these symbols throughout this book!

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	

Remember the Alligator!



The **greater than** (>) and **less than** (<) symbols are like an alligator's mouth. The alligator always wants to eat the **bigger** number!

$$8 > 3$$

8 is greater than 3

$$2 < 9$$

2 is less than 9

 **Key Math Words for Grade 3**

- **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

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Multiplication Table

Use this chart to practice your multiplication facts!

×	1	2	3	4	5	6	7	8	9	10	11
1	1	2	3	4	5	6	7	8	9	10	11
2	2	4	6	8	10	12	14	16	18	20	22
3	3	6	9	12	15	18	21	24	27	30	33
4	4	8	12	16	20	24	28	32	36	40	44
5	5	10	15	20	25	30	35	40	45	50	55
6	6	12	18	24	30	36	42	48	54	60	66
7	7	14	21	28	35	42	49	56	63	70	77
8	8	16	24	32	40	48	56	64	72	80	88
9	9	18	27	36	45	54	63	72	81	90	99
10	10	20	30	40	50	60	70	80	90	100	110
11	11	22	33	44	55	66	77	88	99	110	121

How to Use This Table

To find 4×7 :

1. Find **4** in the left column (blue).
2. Find **7** in the top row (blue).
3. Follow the row and column until they meet: the answer is **28!**

Your 10-Day Plan

Here's what you'll review each day:

<i>Day</i>	<i>Theme</i>	<i>Topics</i>
<i>1</i>	<i>Numbers & Place Value</i>	<i>Place value, thousands, comparing, rounding, even & odd</i>
<i>2</i>	<i>Addition & Subtraction</i>	<i>Adding/subtracting 3- and 4-digit numbers, estimating</i>
<i>3</i>	<i>Multiplication Basics</i>	<i>Multiplication concepts, facts 0–10, multiply by 10/100, properties</i>
<i>4</i>	<i>Division Mission</i>	<i>Division concepts, facts, multiplication–division link, missing numbers</i>
<i>5</i>	<i>Word Problems & Patterns</i>	<i>Mult/div word problems, two-step problems, patterns</i>
<i>6</i>	<i>Fraction Foundations</i>	<i>Understanding fractions, number line, unit fractions, equivalent fractions</i>
<i>7</i>	<i>Fractions & Shapes</i>	<i>Whole numbers as fractions, comparing, 3D shapes, partitioning</i>
<i>8</i>	<i>Time & Measurement</i>	<i>Telling time, elapsed time, length, mass, liquid volume</i>
<i>9</i>	<i>Money & Data</i>	<i>Counting money, making change, picture/bar graphs, line plots</i>
<i>10</i>	<i>Geometry & Area</i>	<i>2D shapes, area, finding area, perimeter</i>

Test-Day Tips

Remember these on the day of your test!

1. **Get a good night's sleep** the night before. Your brain works best when it's rested!
2. **Eat a healthy breakfast.** A full tummy helps you think clearly.
3. **Read each question carefully** — at least **twice!** Circle the numbers and underline what the question is asking.
4. **Show your work.** Write out your steps so you can check them.
5. **Check your answer.** Does it make sense? Is it reasonable?
6. **Skip and come back.** If a question is too hard, skip it and answer the easier ones first. You can always come back to it later.
7. **Eliminate wrong answers.** For multiple-choice questions, cross out answers that are clearly wrong. This gives you a better chance!
8. **Watch your signs.** Make sure you're doing the right operation: + (add), - (subtract), \times (multiply), or \div (divide).
9. **Don't rush.** Take your time. It's better to answer fewer questions correctly than to rush and make mistakes.
10. **You've got this!** You studied all 30 topics. Take a deep breath and do your best. That's all anyone can ask!



Believe in yourself — you're ready!

📅 My Progress Tracker 📅

Check off each day when you finish it!

📅 My 10-Day Progress 📅

Day 1 <input type="checkbox"/>	Day 2 <input type="checkbox"/>	Day 3 <input type="checkbox"/>	Day 4 <input type="checkbox"/>	Day 5 <input type="checkbox"/>
Day 6 <input type="checkbox"/>	Day 7 <input type="checkbox"/>	Day 8 <input type="checkbox"/>	Day 9 <input type="checkbox"/>	Day 10 <input type="checkbox"/>





☑ = Done! Color each day when you finish it!

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DAY

1

Number Ninja

📖 What We'll Review Today 📖

- ✓ *Understand place value up to thousands*
- ✓ *Compare, order, and round numbers*
- ✓ *Identify even and odd numbers*

📊 Your Progress: Day 1 of 10

10%

☆ *Let's get started — you know this stuff!* ☆



♥ Take a deep breath. You already learned all of this in class — today we're just making sure everything is fresh in your mind!

Place Value: Ones, Tens, Hundreds

Each digit in a number has a **place value**. In **527**: the **5** is in the hundreds place (500), the **2** is in the tens place (20), and the **7** is in the ones place (7).

Quick Example: What is the value of the 4 in **461**?

→ The 4 is in the **hundreds** place, so its value is **400**.

Place Value: Thousands

The **thousands** place is the 4th digit from the right. Always use a **comma** after the thousands digit: 3,472 not 3472. Remember: each place is 10 times the place to its right.

Quick Example: Write 7,206 in expanded form.

→ $7,000 + 200 + 0 + 6$

Comparing & Ordering Numbers

Compare numbers digit by digit from **left to right**. The first different digit tells you which number is greater. Use $<$ (less than), $>$ (greater than), or $=$ (equal to).

Quick Example: Compare 637 and 682.

→ Hundreds are both 6. Tens: $3 < 8$. So **637 < 682**.

Rounding to the Nearest 10 or 100

Look at the digit **one place to the right** of where you're rounding. If it's 0–4, round **down**. If it's 5–9, round **up**.

Quick Example: Round 268 to the nearest 10.

→ Ones digit is 8 (≥ 5), so round up: **270**.



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 **Even & Odd Numbers**

Just check the **ones digit**. Even numbers end in 0, 2, 4, 6, 8. Odd numbers end in 1, 3, 5, 7, 9. Zero is even. Remember: $Even + Even = Even$, $Odd + Odd = Even$, $Even + Odd = Odd$.

Quick Example: Is 1,286 even or odd?

→ Ones digit is 6 → **Even**.

 **Don't Rush Place Value!**

On the test, always **underline** the digit the question asks about before you answer. Many students give the digit itself (4) instead of its **value** (400). Read carefully!



“ Great start! You already know your numbers — let's prove it! ”

 **Test Practice****Place Value**

1. What is the value of the 5 in 5,841? _____
2. Write 903 in expanded form. _____

Comparing & Ordering

3. Which symbol goes in the box? 4,512 \square 4,521
4. Order from least to greatest: 789, 798, 779. _____

Rounding**Get Online**Find more at
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5. Round 453 to the nearest 100. _____

6. Round 3,847 to the nearest 10. _____

Even & Odd

7. Is 2,457 even or odd? _____

8. Even + Odd = _____

★ Bonus Challenge

9. A number has a 4 in the thousands place, a 0 in the hundreds place, an 8 in the tens place, and a 2 in the ones place. Write the number and round it to the nearest 100. _____

10. Sam is thinking of a 3-digit number. It is odd, greater than 500, and has a 7 in the tens place. The sum of its digits is 15. What is the number? _____

👍 How Do You Feel? 👍

Topic	★ Got it!	☆ Almost	○ Need more
Place Value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Comparing & Ordering	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Rounding	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Even & Odd	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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✔ *Day Complete! You're getting closer!* ✔

I reviewed all the topics I finished the practice

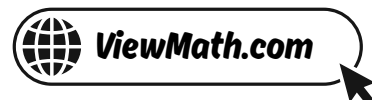
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DAY

5

Problem-Solving Power

What We'll Review Today

- ✓ *Solve multiplication & division word problems*
- ✓ *Tackle two-step word problems*
- ✓ *Find patterns in tables*

 Your Progress: Day 5 of 10

50%

☆ *Halfway there — keep going!* ☆



♡ *Word problems can feel tricky, but you have a secret weapon: **read, circle, underline, solve.** You've got this!*

Multiplication & Division Word Problems

Multiply when you know the number of groups AND the group size and need the total. **Divide** when you know the total and need to find the group size or number of groups. Look for clue words: "each," "every," "equally," "share," "times as many."

Quick Example: "36 cookies shared equally among 4 friends."

→ $36 \div 4 = 9$ cookies each.

Two-Step Word Problems

Two-step problems need **two operations** (any mix of $+$, $-$, \times , \div). Find the **hidden question** first — solve that, then use the answer for step 2.

Quick Example: "3 packs of 8 pencils, then give away 5."

→ Step 1: $3 \times 8 = 24$. Step 2: $24 - 5 = 19$ pencils.

Patterns in Tables

Look for a **rule** that connects the numbers. Common patterns: add the same number, multiply by the same number, or follow an even/odd pattern. The multiplication table is **symmetric** — 3×5 and 5×3 give the same answer.

Quick Example: 4, 8, 12, 16, ? → Rule: add 4 → 20

How to Tackle Word Problems

1. **Read** the problem twice.
2. **Circle** the numbers and **underline** the question.
3. **Choose** the operation (add, subtract, multiply, or divide).
4. **Solve** and **check** your answer.



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Find the Hidden Question

In two-step problems, ask yourself: "What do I need to figure out **first** before I can answer the real question?" Solving the hidden question is half the battle!



“ Word problems are just stories with numbers — you’re a great reader! ”

Test Practice

Multiplication & Division Word Problems

1. A classroom has 5 rows of desks with 6 desks in each row. How many desks are there in all?

2. 32 students are divided equally into 4 teams. How many students are on each team? _____

Two-Step Word Problems

3. Maria has 3 bags with 7 apples each. She eats 4 apples. How many apples are left? _____
4. Jake buys 2 boxes of 10 crayons. He gives 6 crayons to his sister. How many crayons does Jake have now? _____
5. A baker makes 4 trays of 9 muffins each. She sells 15 muffins in the morning. How many muffins does she have left? _____

Patterns in Tables

6. Find the next number: 6, 12, 18, 24, ? _____
7. Complete the table:



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In	1	2	3	4	5
Out	5	10	15	?	?

8. Find the next number: 3, 6, 12, 24, ? _____

★ *Bonus Challenge*

9. A farmer picks 7 baskets of 8 oranges each. He eats 2 oranges and shares the rest equally among 9 friends. How many oranges does each friend get? _____

10. Look at the pattern: 2, 6, 18, 54, ? What is the rule? What is the next number? _____

👍 *How Do You Feel?* 👍

<i>Topic</i>	★ <i>Got it!</i>	☆ <i>Almost</i>	○ <i>Need more</i>
<i>Word Problems</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Two-Step Problems</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<i>Patterns</i>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

✔ *Day Complete! You're getting closer!* ✔

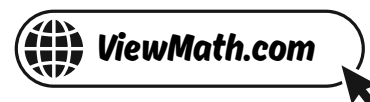
I reviewed all the topics I finished the practice



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★ Check Your Answers! ★

Try each problem first, then look here to check your work.

It's OK to make mistakes — that's how we learn ★

Day 1 Number Ninja

1 5,000

2 $900 + 0 + 3$

3 $<$

4 779, 789, 798

5 500

6 3,850

7 Odd

8 Odd

9 4,082; rounded to 4,100

10 573

Explanations

1 The 5 is in the thousands place, so its value is $5 \times 1,000 = 5,000$.

2 9 is in the hundreds place (900), 0 is in the tens place (0), 3 is in the ones place (3). So $903 = 900 + 0 + 3$.

3 Both numbers have 4 in thousands and 5 in hundreds. Tens: $1 < 2$, so $4,512 < 4,521$.

4 All start with 7 in hundreds. Compare tens: $7 < 8 < 9$, so $779 < 789 < 798$.

5 The tens digit of 453 is 5 (which is ≥ 5), so round up: $453 \rightarrow 500$.



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- 6 The ones digit of 3,847 is 7 (which is ≥ 5), so round up: $3,847 \rightarrow 3,850$.
- 7 The ones digit of 2,457 is 7, which is odd, so 2,457 is odd.
- 8 Example: $4 + 3 = 7$ (odd). An even number plus an odd number always gives an odd result.
- 9 The number is $4,000 + 0 + 80 + 2 = 4,082$. To round to the nearest 100, look at the tens digit: $8 \geq 5$, so round up: $4,082 \rightarrow 4,100$.
- 10 The number is greater than 500, so the hundreds digit is 5, 6, 7, 8, or 9. The tens digit is 7. The digits must add to 15 and the ones digit must be odd. Try 5: ones = $15 - 5 - 7 = 3$ (odd \checkmark). The number is 573.

Day 5 Problem-Solving Power

1 30

2 8

3 17

4 14

5 21

6 30

7 20 and 25

8 48

9 6

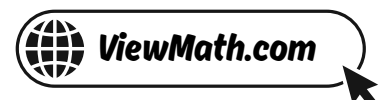
10 Rule: multiply by 3; next number is 162

Explanations

- 1 $5 \text{ rows} \times 6 \text{ desks per row} = 5 \times 6 = 30 \text{ desks in all.}$
- 2 $32 \div 4 = 8 \text{ students per team. Check: } 4 \times 8 = 32 \checkmark.$
- 3 Step 1: $3 \times 7 = 21 \text{ apples total. Step 2: } 21 - 4 = 17 \text{ apples left.}$



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- 4 Step 1: $2 \times 10 = 20$ crayons. Step 2: $20 - 6 = 14$ crayons left.
- 5 Step 1: Total muffins: $4 \times 9 = 36$. Step 2: After selling: $36 - 15 = 21$ muffins left.
- 6 The pattern adds 6 each time: 6, 12, 18, 24. Next: $24 + 6 = 30$.
- 7 Rule: $Out = In \times 5$. So $4 \times 5 = 20$ and $5 \times 5 = 25$.
- 8 Each number is doubled (multiplied by 2): $3 \times 2 = 6$, $6 \times 2 = 12$, $12 \times 2 = 24$, $24 \times 2 = 48$.
- 9 Step 1: Total oranges: $7 \times 8 = 56$. Step 2: After eating 2: $56 - 2 = 54$. Step 3: Shared among 9 friends: $54 \div 9 = 6$ oranges each.
- 10 Each number is multiplied by 3: $2 \times 3 = 6$, $6 \times 3 = 18$, $18 \times 3 = 54$. Next: $54 \times 3 = 162$.



Great job checking your work!

Keep practicing and you'll be a math star!



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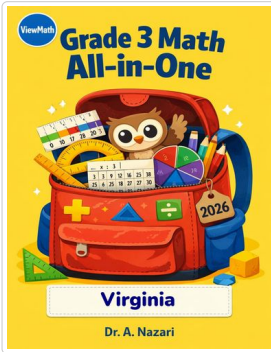


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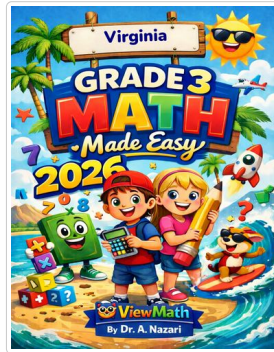
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All-in-One



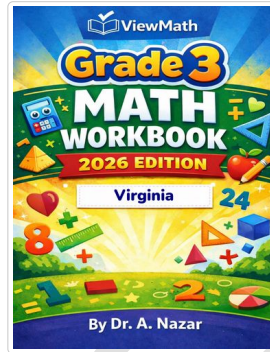
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Study Guide



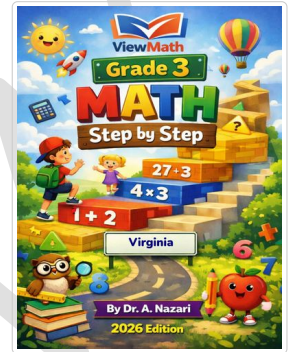
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Workbook



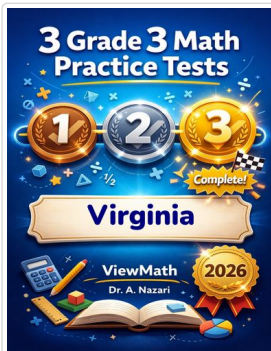
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Step-by-Step



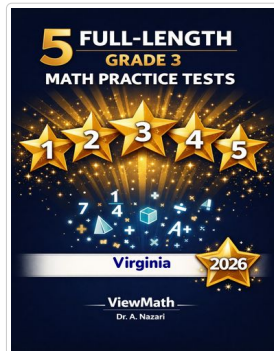
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3 Practice Tests



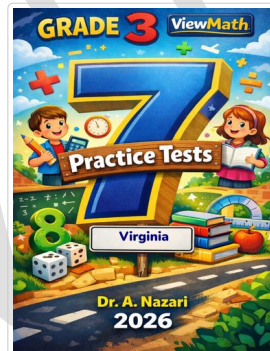
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5 Practice Tests



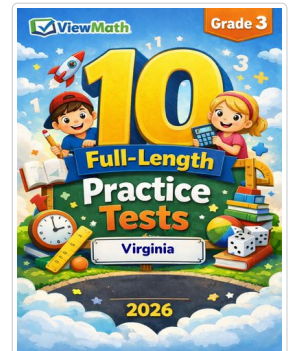
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7 Practice Tests



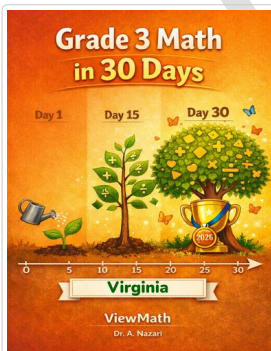
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10 Practice Tests



Scan Me



Math in 30 Days



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Summer Review



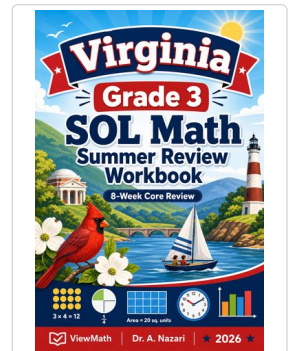
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Summer Bridge



Scan Me



Summer Workbook



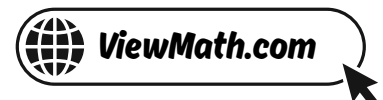
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