Iowa ISASP Grade 4 Math in 30 Days

Day by Day Study Plan for Test Prep

Dr. A. Nazari

PREVIEW

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

30 DAYS TO SUCCESS

Grade 4 Math in 30 Days

One topic a day. Thirty days. The entire grade.

This book breaks all of Grade 4 math into 30 bite-sized lessons. Each day takes about 25–35 minutes and covers a quick lesson, practice problems, and a daily challenge.

- *Small daily steps add up to **big** results.*
- *Consistency beats cramming — every time.*
- *You only need 30 days. Let's start today!*

Day 1 is waiting!

> *I'll be here every day with tips and encouragement. Thirty days from now, you'll be amazed at how much you've learned!*

© ViewMath.com — All Rights Reserved

How to Use This Book

Every day follows the same simple pattern.

Today's Goals

Each day starts with clear goals so you know exactly what you're learning today.

Quick Lesson

A short, focused explanation of the day's topic. Read it carefully — this is the core idea.

Daily Practice

Practice problems to reinforce today's lesson. Try them all before checking answers!

Daily Challenge

A bonus problem that pushes you a little further. Give it a try — it's okay if it's tough!

Owlbert Says

Tips, tricks, and encouragement from your daily study buddy!

Watch Out!

Common mistakes to avoid. Learn these and you'll save time on tests!

Answers to every problem are in the **Answer Key** at the back!

PREVIEW

Your 30-Day Plan

Here's where your journey takes you — one day at a time!

Days 1–8: Multiply, Divide, Patterns & Place Value

1 Multiplication as a Comparison
2 Comparison Word Problems
3 Multi-Step Word Problems
4 Factors, Multiples, & Primes
5 Number and Shape Patterns
6 Place Value & Expanded Form
7 Compare Numbers & $\times 10$
8 Rounding Whole Numbers

Days 9–12: Whole Number Arithmetic

9 Add & Subtract Whole Numbers
10 Multiply by a One-Digit Number
11 Multiply Two-Digit $\times$ Two-Digit
12 Divide with Remainders & Estimate

Days 13–20: Fractions & Decimals

13 Equal Fractions
14 Compare Fractions
15 Build & Break Apart Fractions
16 Add & Subtract Fractions
17 Add & Subtract Mixed Numbers
18 Multiply Fraction $\times$ Whole Number
19 Tenths, Hundredths, & Decimals
20 Compare Decimals

Days 21–30: Measurement, Data & Geometry

21 Metric & Customary Units
22 Measurement Word Problems
23 Area & Perimeter
24 Line Plots with Fractions
25 Angles: Intro & Measure
26 Add & Subtract Angles
27 Lines, Rays, & Angle Types
28 Parallel & Perpendicular Lines
29 Classify Shapes
30 Symmetry & Review

“You don’t have to be perfect on Day 1. The whole point is to get a little better every day. By Day 30, you’ll look back and realize how far you’ve come!”

PREVIEW

Find more at
ViewMath.com/Grade4

Contents

1 Multiply, Divide, Patterns & Place Value 1

1.1 Multiplication as a Comparison 1

Day 1: Multiplication as a Comparison 2

2 Whole Number Arithmetic 5

2.1 Add and Subtract Whole Numbers 5

Day 9: Add and Subtract Whole Numbers 6

WEEK

1

Multiply, Divide, Patterns & Place Value

This Week's Days

Multiplication as a Comparison

DAY

1

Multiplication as a Comparison

Today You Will Learn

- Understand "times as many" statements
- Write multiplication equations from comparisons

Your Progress: Day 1 of 30

Let's make today count!

About 20 minutes

Key Concept

What Does "Times as Many" Mean? When we say "35 is 5 ***times as many*** *as 7," we mean:*

$$5 \times 7 = 35$$

A ***multiplicative comparison*** *tells how many times bigger one amount is than another.*

Pattern: A *is* n *times as many as* $B \implies A = n \times B$

Examples:

- *"24 is 4 times as many as 6" means* $4 \times 6 = 24$.
- *"Tom has 3 times as many cards as Lily" means Tom's cards* $= 3\times$ *Lily's cards.*

"Times as many" always means multiply! Don't confuse it with "more than," which means add.

Write the Equation

Sara has 8 stickers. Jake has 4 times as many stickers as Sara. How many stickers does Jake have?

1. *Identify the comparison: Jake has 4 times as many as Sara.*
2. *Write the equation: Jake's stickers* $= 4 \times 8$.
3. *Solve:* $4 \times 8 = 32$.

Answer: Jake has 32 stickers.

"Times as many" is the secret code for multiplication — whenever you hear it, grab your $\times$ *sign!*

Practice Time!

1. 18 is 3 times as many as _____.
2. 7 times as many as 5 is _____.
3. Write a multiplication equation: "32 is 8 times as many as 4." _____
4. Mia has 6 books. Noah has 5 times as many books. How many books does Noah have? _____
5. A cat weighs 9 pounds. A dog weighs 4 times as much. How much does the dog weigh? _____
6. Write a comparison sentence for $6 \times 7 = 42$. _____

Daily Challenge!

7. Ana is 8 years old. Her grandma is 9 times as old. How old is her grandma? In how many years will grandma be 10 times Ana's current age?

Key Takeaway: "Times as many" means multiply: $A = n \times B$.

Day Complete! Great Job!

☐ I understand today's lesson ☐ I finished the practice

PREVIEW

WEEK 2

Whole Number Arithmetic

This Week's Days

Add and Subtract Whole Numbers

DAY

9

Add and Subtract Whole Numbers

Today You Will Learn

- Add multi-digit numbers with regrouping
- Subtract multi-digit numbers with borrowing

Your Progress: Day 9 of 30

3%

Let's make today count!

About 20 minutes

Add Whole Numbers

Key Concept

Line Up, Add, Regroup To add big numbers, **line up the digits by place value** and add from right to left. When a column totals 10 or more, write the ones digit and **carry** the extra to the next column.

Example: $2{,}587 + 1{,}946$

- *Ones:* $7 + 6 = 13$. *Write* 3, *carry* 1.
- *Tens:* $8 + 4 + 1 = 13$. *Write* 3, *carry* 1.
- *Hundreds:* $5 + 9 + 1 = 15$. *Write* 5, *carry* 1.
- *Thousands:* $2 + 1 + 1 = 4$.

Answer: **4,533**

Add: $3{,}748 + 2{,}695$

1. *Ones:* $8 + 5 = 13$. *Write* 3, *carry* 1.
2. *Tens:* $4 + 9 + 1 = 14$. *Write* 4, *carry* 1.
3. *Hundreds:* $7 + 6 + 1 = 14$. *Write* 4, *carry* 1.
4. *Thousands:* $3 + 2 + 1 = 6$.

Answer: $3{,}748 + 2{,}695 = 6{,}443$

Subtract Whole Numbers

Key Concept

*Line Up, Subtract, Borrow Subtraction also goes right to left. When the top digit is **smaller** than the bottom digit, **borrow** 1 from the next column (that adds 10 to your column).*

***Across zeros:** If the next column is 0, keep moving left until you find a digit to borrow from, then work back.*

***Check:** Answer + bottom number = top number.*

Subtract: $5{,}003 - 2{,}768$

1. *Ones:* $3 - 8$*? Borrow! Tens is* 0*, hundreds is* 0 *— borrow from thousands.*
2. 5 *thousands* $\rightarrow$ 4 *thousands;* 0 *hundreds* $\rightarrow$ 10 *hundreds* $\rightarrow$ 9 *hundreds;* 0 *tens* $\rightarrow$ 10 *tens* $\rightarrow$ 9 *tens;* 3 *ones* $\rightarrow$ 13 *ones.*
3. *Ones:* $13 - 8 = 5$*, Tens:* $9 - 6 = 3$*, Hundreds:* $9 - 7 = 2$*, Thousands:* $4 - 2 = 2$*.*

Answer: $5{,}003 - 2{,}768 = 2{,}235$

Check: $2{,}235 + 2{,}768 = 5{,}003$ ✓

> *Addition and subtraction are opposites — you can always check one with the other!*

Practice Time!

Add Whole Numbers

1. $1{,}463 + 2{,}578 =$ _____

2. $3{,}295 + 4{,}867 =$ _____

3. $6{,}508 + 1{,}794 =$ _____

4. $2{,}749 + 5{,}386 =$ _____

Subtract Whole Numbers

5. $7{,}432 - 3{,}685 =$ _____

6. $4{,}001 - 1{,}256 =$ _____

7. $9{,}300 - 4{,}527 =$ _____

8. $6{,}215 - 2{,}879 =$ _____

Daily Challenge!

9. *A town had $8{,}204$ people in January. By December, $3{,}567$ people moved away and $2{,}189$ new people moved in. What is the population now?*

Key Takeaway: *Line up digits by place value, work right to left, and regroup when needed.*

Day Complete! Great Job!

☐ I understand today's lesson ☐ I finished the practice

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*

Available on Amazon and Teachers Pay Teachers

Visit us at **ViewMath.com** *for free resources and more books!*

© 2026 Dr. A. Nazari | View Math Education