Arkansas ATLAS Grade 4 Math in 30 Days

Day by Day Study Plan for Test Prep

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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!*

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!

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!

Contents

WEEK

1

Multiply, Divide, Patterns & Place Value

Multiplication as a Comparison

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!* ⭐

💡 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!*

Find more at
ViewMath.com/Grade4

✏️ *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

WEEK

2

Whole Number Arithmetic

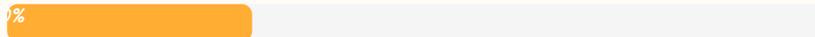### 📅 This Week's Days 📅

Add and Subtract Whole Numbers

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

0%

⭐ Let's make today count! ⭐

🔖 *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*

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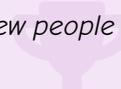
💡 *Key Takeaway:* Line up digits by place value, work right to left, and regroup when needed.

✔ Day Complete! Great Job! ✔

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

Find more at
ViewMath.com/Grade4

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

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