

# Arkansas ATLAS Grade 3 Math in 30 Days

*Day by Day Study Plan for Test Prep*

**Dr. A. Nazari**

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# ★ Welcome, Math Superstar! ★

*You're about to go on an amazing 30-day math adventure!*

## 📖 *How This Book Works* 📖

- 📅 *One lesson each day — just 25–35 minutes!*
- 📖 *Learn the key concept at the start of each day*
- ✎ *Practice problems help you master each topic*
- 🏆 *Daily challenges push you to think harder*
- ✅ *Check off each day when you're done!*
- 📅 *All 30 days are learning days — no wasted time!*

## *Tips for Success*

- ✓ *Study at the same time each day*
- ✓ *Find a quiet place to work*
- ✓ *Have pencils and scratch paper ready*
- ✓ *Don't skip days — even 10 minutes helps!*
- ✓ *Ask a grown-up if you get stuck*

★ *Let's do this!* ★



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# *How to Use This Book*

*Look for these special sections every day!*

## *Today's Goals*

*Every day starts with a list of what you'll learn. These are your targets for the day!*

## *Quick Lesson*

*The big idea explained in a short, easy lesson. Read this carefully before doing problems!*

## *Daily Practice*

*Your turn! Try these problems on your own. They help you master each day's topic.*

## *Daily Challenge*

*A brain-buster problem to push you further! Give it your best try — it's okay if it's tough.*



## *Owlbert Says*

*Your owl friend Owlbert pops in with tips, tricks, and encouragement. Listen to Owlbert!*

## *Bonus Lesson*

*Some editions include bonus topics for your state. Look for these teal boxes after certain days!*



## *Day Complete!*

*At the end of each day, you'll see a celebration banner. Check it off on your Progress Tracker!*

## *Watch Out!*

*Common mistakes to avoid. Everyone makes them — but now you won't!*

✔ *Answers to all practice problems are in the **Answer Key** at the back of the book!*

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# Your 30-Day Plan

Here's everything you'll learn — one day at a time!

## Days 1–8: Numbers & Computation

- |  |   |
|--|---|
| <b>Day 1</b> Place Value: Ones, Tens, Hundreds | <b>Day 2</b> Place Value: Thousands         |
| <b>Day 3</b> Comparing, Ordering & Even/Odd    | <b>Day 4</b> Rounding to Nearest 10 and 100 |
| <b>Day 5</b> Adding 3-Digit Numbers            | <b>Day 6</b> Subtracting 3-Digit Numbers    |
| <b>Day 7</b> Adding & Subtracting 4-Digit      | <b>Day 8</b> Estimating Sums & Differences  |

## Days 9–16: Multiplication & Division

- |   |   |
|---|---|
| <b>Day 9</b> Understanding Multiplication             | <b>Day 10</b> Multiplication Facts 0–10       |
| <b>Day 11</b> Multiply by 10/100 & Properties         | <b>Day 12</b> Understanding Division          |
| <b>Day 13</b> Division Facts & Relating $\times/\div$ | <b>Day 14</b> Missing Numbers & Word Problems |
| <b>Day 15</b> Two-Step Word Problems                  | <b>Day 16</b> Patterns in Tables              |

## Days 17–20: Fractions

- |   |  |
|---|--|
| <b>Day 17</b> Understanding Fractions         | <b>Day 18</b> Fractions on Number Line & Units       |
| <b>Day 19</b> Building & Equivalent Fractions | <b>Day 20</b> Whole Numbers as Fractions & Comparing |

## Days 21–30: Measurement, Money, Data & Geometry

- |  |  |
|--|--|
| <b>Day 21</b> Telling Time & Elapsed Time  | <b>Day 22</b> Measuring Length                     |
| <b>Day 23</b> Mass, Weight & Liquid Volume | <b>Day 24</b> Money: Counting, Adding, Subtracting |
| <b>Day 25</b> Picture & Bar Graphs         | <b>Day 26</b> Line Plots                           |
| <b>Day 27</b> 2D Shapes & Attributes       | <b>Day 28</b> 3D Shapes                            |
| <b>Day 29</b> What Is Area? & Finding Area | <b>Day 30</b> Perimeter & Partitioning Shapes      |

1	<i>Numbers &amp; Computation</i> .....	1
	Day 1: <i>Place Value</i> .....	2
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# WEEK

1

## Numbers & Computation

### This Week's Days

Day 1: Place Value ..... 2





DAY

1

## Place Value

### Today You Will Learn

- ✓ Know what ones, tens, and hundreds mean
- ✓ Write numbers in expanded form

 Your Progress: Day 1 of 30



★ Let's make today count! ★



 About 20 minutes **Key Concept**

What Is Place Value? **Place value** tells us how much a digit is worth based on where it sits.

H	T	O
5	2	7

- 5 in the **hundreds** place → worth 500
- 2 in the **tens** place → worth 20
- 7 in the **ones** place → worth 7

**Expanded form:**  $527 = 500 + 20 + 7$

 **What is the value of 8 in 482?**

The 8 is in the **tens** place, so it means  $8 \times 10 = 80$ .

 **Answer:** The value is 80.



“ Digits are like floors in a building — ones on floor 1, tens on floor 2, hundreds on floor 3! ”

 **Practice Time!**

1. Write 364 in expanded form: \_\_\_\_\_
2. Write 809 in expanded form: \_\_\_\_\_
3. The value of 3 in 358 is \_\_\_\_\_
4. The value of 4 in 742 is \_\_\_\_\_



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5.  $600 + 70 + 3 =$  \_\_\_\_\_

6.  $400 + 20 + 9 =$  \_\_\_\_\_

 **Daily Challenge!**

7. *My hundreds digit is 6, my ones digit is 3, and my tens digit is double my ones digit. What number am I?* \_\_\_\_\_



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WEEK

2

*Multiplication & Division*

 *This Week's Days* 

*Day 9: Understanding Multiplication* ..... 6





DAY

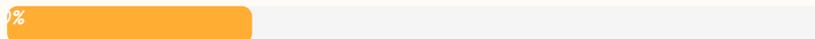
9

## Understanding Multiplication

### Today You Will Learn

- ✓ Know that multiplication means equal groups
- ✓ Write multiplication sentences from pictures

 Your Progress: Day 9 of 30



★ Let's make today count! ★



 About 20 minutes

 **Key Concept**

What Is Multiplication? **Multiplication** is a shortcut for **adding equal groups**.

$3 \times 4$  means "3 groups of 4."

Instead of  $4 + 4 + 4 = 12$ , we write  $3 \times 4 = 12$ .



Key words: **factor**  $\times$  **factor** = **product**.  $3 \times 4 = 12$ .

  **$5 \times 3$** 

5 groups of 3:  $3 + 3 + 3 + 3 + 3 = 15$

**Answer:**  $5 \times 3 = 15$



“ Multiplication is just skip counting!  $3 \times 4$  means count by 4s three times: 4, 8, 12! ”

 **Practice Time!**

1.  $4 \times 2 =$  \_\_\_\_\_
2.  $3 \times 5 =$  \_\_\_\_\_
3.  $6 \times 3 =$  \_\_\_\_\_
4. Write a multiplication sentence: "7 groups of 2" = \_\_\_\_\_
5. There are 4 bags with 5 apples in each. How many apples total? \_\_\_\_\_



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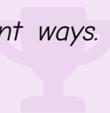


6. Each table seats 6 students. There are 3 tables. How many students? \_\_\_\_\_

 **Daily Challenge!**

7. You can write 24 as a product of two numbers in several ways. Find three different ways.

\_\_\_\_\_



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