

8wonders<sup>®</sup>

# Mathepotamia

1-4

*A wonderland where math wizards are born!*



Questbook

## The Gateway of Wonders

by Felix Sternberg



**1200+**  
tasks



**6-9+**

The Gateway to Magical Adventures  
**From Basic Arithmetic within 20  
To Advanced Arithmetic up to 1000**  
Self-Checking Workbook for Skill Assessment

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# Mathepotamia<sup>®</sup>

*A wonderland where math wizards are born!*

Questbook

## **The Gateway of Wonders**

by Felix Sternberg

Co-authored by

 —————   
Your name

ISBN 978-3-911456-17-3 (Paperback)

ISBN 978-3-911456-18-0 (eBook)

Imprint: 8wonders

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First Edition

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# INTRODUCTION

## Welcome to Mathepotamia

Dear Parents and Guardians,

Thank you for choosing the Mathepotamia Questbook. By selecting this workbook, you've opened a gateway where your child can enjoy math through magical adventures while you gain valuable insights into their true starting level. Each page is designed to reveal not only your child's math skills but also how they learn — their independence, memory, and attention to detail.

## Explore the Mathepotamia Series

- **Workbook 1. The Academy of Numbers:** Watch your child begin their magical journey with numbers up to 20, mastering the basics of addition and subtraction. This first step builds a strong foundation in their arithmetic skills.
- **Workbook 2. The Forest of Figures:** See your child dive deeper into numbers up to 100, enhancing their proficiency in addition and subtraction, while introducing them to the fundamentals of multiplication and division.
- **Workbook 3. The Cavern of Calculations:** Observe your child tackle complex challenges with numbers up to 200, mastering multiplication and division. This workbook significantly enhances their problem-solving skills and mathematical reasoning.
- **Workbook 4. The Castle of Challenges:** Encourage your child to conquer the most intricate puzzles with numbers up to 1000, honing advanced arithmetic skills. This final stage lays the foundation for comprehensive mathematical mastery and academic excellence.

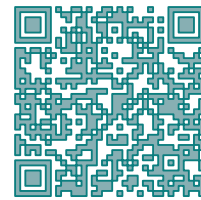
## We Value Your Feedback

At Mathepotamia, we care deeply about your experience. We'd love to hear how this Questbook has helped you and your child. Your insights inspire us and shape the resources we create.

We invite you to join the **Mathepotamia Heroes Club**, a welcoming place to exchange ideas, share experiences, and stay inspired.

Simply scan the QR code or visit:

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If you prefer direct contact, you can always reach us at:

[feedback@mathepotamia.com](mailto:feedback@mathepotamia.com)

And one small request: if you enjoyed this Questbook, please consider leaving a short review. Your support helps us improve and makes it easier for other families to discover Mathepotamia.

Thank you for being part of this journey.

*Warm regards,  
The Mathepotamia Team*

## WHY THIS WORKBOOK IS UNIQUE

Guardians, as your child journeys through the pages of this Mathepotamia Questbook, they are not just solving math problems. This Questbook is designed as an **assessment adventure**. It helps you observe how your child learns, where they feel confident, and where they may need more support. It mirrors the structure of the full Mathepotamia workbooks, but here the focus is on *assessing skills and learning style* rather than developing them over time.

Here's how this Questbook uniquely helps you observe your child:

### Goal Orientation

#### **SMART Goal Setting:**

In this Questbook, the learning goals are already structured within each mission. What your child adds is the time element, deciding how many days they want to spend on a mission. This simple step shows whether they can make a task time-bound and stick to their own plan. It gives you valuable insight into their ability to pace themselves and stay consistent.

#### **Structured Learning Path:**

The Questbook is divided into missions and task blocks, just like the full workbooks. Observing how your child approaches these short-, mid-, and long-term goals helps you see whether they can follow a structured path, celebrate progress, and stay motivated.

#### **Reward System:**

Collectibles, drawings, and checkmarks are built into the Questbook. Notice if these small rewards keep your child engaged or if they lose interest before completing a mission. This reveals what kind of motivation works best for them.

### Independent Work

#### **Self-Checking Mechanisms:**

Each task block includes a checksum to verify answers. Watch how your child uses this tool. Do they check their answers independently, or do they rely on guidance? This shows their readiness for self-guided learning.

#### **Dual Visual Progress Bars:**

The Questbook features vertical and horizontal progress bars, just like the full workbooks. See whether your child notices and responds to these visual cues. This reveals how they connect progress tracking with achievement.

### Attention and Concentration

#### **Engaging Task Blocks:**

The activities require focused thinking to solve equations and decode checksums. Observe how long your child can stay engaged before becoming distracted or tired.

#### **Repetitive Practice:**

Repetition is part of the design. Does your child embrace the rhythm of similar tasks, or do they become impatient? This shows their perseverance and tolerance for practice.

### Memory

#### **Short-Term Memory:**

Many tasks require children to hold numbers in mind while working. Watch how easily your child can keep track of these steps. This reveals the strength of their working memory.

#### **Retrieval and Application:**

Drawing quests require retrieving results from previous pages and applying them correctly. Notice whether your child can transfer knowledge across tasks or if they struggle to recall details.

## WHY THIS WORKBOOK IS UNIQUE

### Critical Thinking

#### **Problem Solving:**

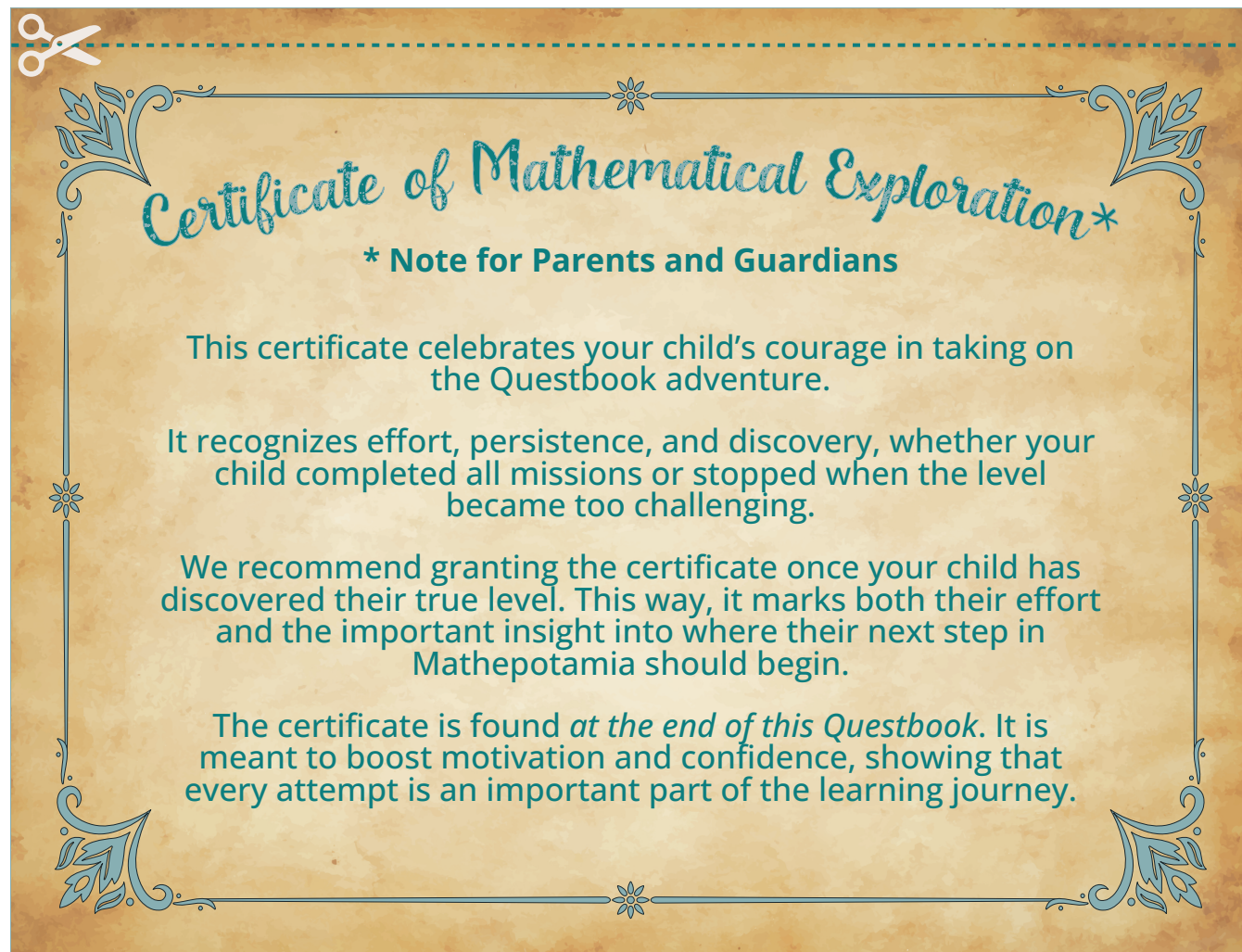
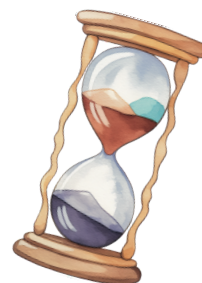
The Questbook doesn't just check for right answers. It requires applying the correct methods. Pay attention to whether your child uses logical strategies or guesses. This shows how they approach problem solving under light pressure.

### Attention to Detail

#### **Accuracy in Task Completion:**

Tasks with emoji-to-number substitutions demand precision. Observe whether your child carefully follows instructions or skips steps. This reveals their attention to detail.

By focusing on these observations, the Questbook gives you a clearer picture of your child's math level and learning style. It doesn't just test what they know; it shows you how they learn. And because it mirrors the exact structure, story, and gamification of the full Mathepotamia workbooks, the test experience feels like play, while the transition into the complete series feels natural and motivating.

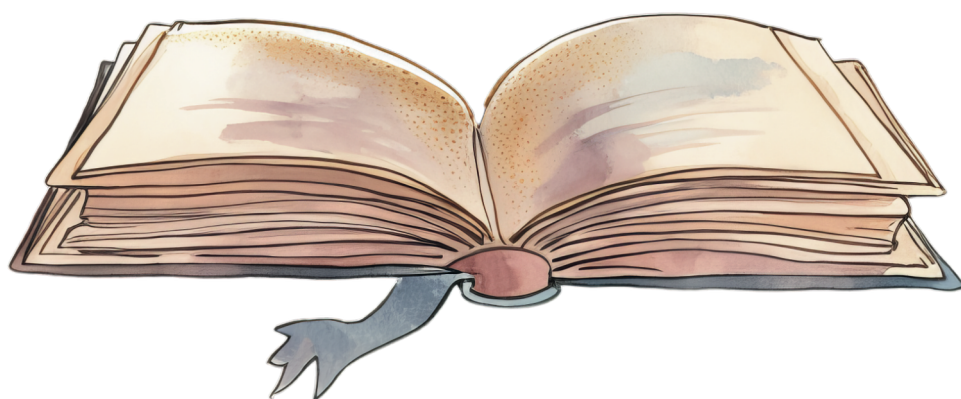


## ***Why Mathepotamia?***

*Long ago, in a land called Mesopotamia, people discovered the secrets of numbers. That is where math began.*

*Mathepotamia takes its name from that land and turns math into a magical world just for you.*

*Now it's your turn to step into the story. Your adventure begins right now!*



## **MISSIONS**

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# WELCOME TO MATHEPOTAMIA!



## Hello, young wizards!

I am Wondergate, the Guardian Cat, and I will guide you through the Questbook: Gateway of Wonders in Mathepotamia.

Are you ready to discover the enhanced world of numbers? Grab your pencils, your magic wands, and let's find out where your wonderful journey will take you!

## Your Adventure

In this quest book, you'll go on an exciting adventure through all of Mathepotamia! Along the way, you have the chance to meet four amazing Magisters who each have their own special challenges waiting for you:



First, you'll visit Magister Numberbridge, the Wise Owl in the Academy of Numbers, where you'll practice addition and subtraction with numbers up to 20.

Then, Magister Greenwood, the Forest Sage, will guide you through the Forest of Figures, where you'll work with numbers up to 100 and discover the secrets of multiplication and division.



Next, Magister Stonemantle, the Cavern Sage, will lead you deeper into the Cavern of Calculations to master multiplication and division puzzles.

Finally, Magister Goldbeard, the Castle Sage, will welcome you in the Castle of Challenges with the biggest numbers up to 1000 and the trickiest problems!



Remember, some tasks might feel easy at first, and others might get hard later — and that's exactly how learning works! Easy tasks help you feel confident, and tricky ones help you grow stronger. Just keep trying your best. Every time you solve a problem, you're getting better! And if you ever feel like exploring further, each Magister has a whole world of quests waiting for those who wish to keep discovering.

# WELCOME TO MATHEPOTAMIA!

## Missions and Rewards

Your adventure is divided into 4 missions, each made up of 10 pages, called quests: 9 task quests and 1 drawing quest. Successfully decoding and following the drawing instructions will reveal a surprise picture. At the end of every mission, your journey can unfold in two ways:

- **If challenges felt tricky**, the story will honor your courage and invite you to continue the adventure in the full Mathepotamia workbooks, where new guides and greater challenges await.
- **If you succeeded**, you'll earn a magical collectible — a potion, a crystal ball, an amber stone, or a mystical ring — to mark your achievement.















Step by step, these missions show your progress and determination. When you discover your true level, you'll receive the *Certificate of Mathematical Exploration* to celebrate your effort.

## Task Quests

Every task quest in your workbook is divided into three blocks of magical challenges. Beneath each block, you'll find a series of digits and associated emojis waiting to be discovered. This special **checksum decoding table** will help you count how often each digit appears in your answers.

$1 + 2 = 3$	$2 + 3 = 5$	$1 + 4 = 5$	$3 + 5 = 8$	1
-------------	-------------	-------------	-------------	---

		<table border="1"><tr><td>0</td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr><tr><td></td><td></td><td></td><td>1</td><td></td><td>2</td><td></td><td></td><td>1</td><td></td></tr></table>	0	1	2	3	4	5	6	7	8	9				1		2			1		<table border="1"><tr><td>✓</td><td>1</td><td>2</td><td>1</td></tr></table>	✓	1	2	1	<b>Checksum</b>	
0	1	2	3	4	5	6	7	8	9																				
			1		2			1																					
✓	1	2	1																										
		         																											

$4 + \overset{2}{\text{🍓}} = 6$	$8 + \overset{0}{\text{🍏}} = 8$	$6 + \overset{1}{\text{🐢}}2 = 18$	2
---------------------------------	---------------------------------	-----------------------------------	---

Use this table to verify your answers by comparing them to the **checksum**. If they match, place a checkmark in front of the checksum to track your


## WELCOME TO MATHEPOTAMIA!

progress and unlock the door to the next block, allowing you to advance in your adventure.

In later blocks, emojis will replace numbers in the tasks. Use your **checksum decoding table** to substitute these emojis with the correct numbers. In the example illustration, the table shows 🍓 = 2, 🐢 = 1 and 🍏 has no number, so it counts as 0. That means  $4 + \text{🍓}$  becomes  $4 + 2$ ,  $8 + \text{🍏}$  becomes  $8 + 0$ , and  $6 + \text{🐢}$  becomes  $6 + 1$ .

Guardians, while the workbook encourages independent learning, your initial guidance in explaining how to approach tasks, use the checksum decoding table, and decode drawing instructions will be invaluable, especially for those just starting to explore the world of numbers.

### Progress Tracking



Each workbook page features a vertical progress bar beside each task block (illustrated on the left), tracking your progress within the mission and showing how close you are to earning your reward.

Additionally, a horizontal progress bar runs along the bottom of each page. This bar showcases your workbook adventure progress, helping you see at a glance how far you have traveled in your mathematical quest and how close you are to earning your certificate. Once all three blocks on a page are solved, place a check mark on the horizontal progress bar to mark the page as completed and to celebrate your achievement.

Guardians, these printed progress bars and checkmarks for each task block help track achievements and motivate your child, making it easy to see their accomplishments and how close they are to becoming a math wizard.

Now let's learn how to use your magical quest book! I'll show you some examples so you'll know exactly what to do. It's going to be fun and easy once you see how it works!

## HOW TO USE YOUR MATHEPOTAMIA WORKBOOK

There are two exciting types of tasks: finding results, like in Block **1** on the next page, and searching for missing numbers, like in Block **2**. Here's a step-by-step guide on how to conquer each Quest and unlock new adventures:

### 1. Start Your Quest:

Begin with the tasks in Block **1**. Use your wizardry skills to solve each equation.

### 2. Track Your Findings:

For each digit, count how many times it appears in your answers. For example, if you see the number **1** five times, write "5" in the **checksum decoding table** under Block **1**. Remember, only write down numbers for the digits you see—*if a digit does not show up, leave its cell empty*.

### 3. Decode the Checksum:

Compare your filled-in numbers to the **checksum** next to the table. If they match, great job! You have solved the block correctly. Celebrate by marking a check in the checkbox  to unlock a door to the next block.

If they don't match, don't worry! Check your answers again and recount the digits.

### 4. Continue Your Quest:

Move on to Block **2**. Replace any emojis in the tasks with the numbers from your **checksum decoding table**. If an emoji does not have an associated number, replace it with **0**. Repeat the steps of solving, counting, and checking.

Do the same for Block **3**. Keep using your knowledge and skills to solve and decode!

### 5. Celebrate Your Victory:

Once all three blocks are correctly completed, mark another check  on the page's progress bar. You have done a lot of great work—well done!

**Tip:** Use a pencil for your wizardly calculations so you can easily erase and correct any spells gone slightly awry.

# TASK QUEST EXAMPLE

1

$8 + 1 = 9$	$3 + 7 = 10$	$6 + 2 = 8$
$6 + 1 = 7$	$2 + 3 = 5$	$5 + 4 = 9$
$2 + 1 = 3$	$8 + 2 = 10$	$1 + 1 = 2$
$2 + 8 = 10$	$9 + 1 = 10$	$6 + 4 = 10$

0	1	2	3	4	5	6	7	8	9
5	5	1	1		1		1	1	2

✓
5 5 1 1 1 1 1 2

2

$9 + 1 = 10$	$6 + \overset{1}{\text{turtle}} = 7$	$1 + 8 = 9$
$2 + 8 = 10$	$3 + 4 = 7$	$3 + 1 = 4$
$7 + 3 = 10$	$\overset{1}{\text{butterfly}} + 7 = 8$	$4 + \overset{5}{\text{apple}} = 9$
$8 + 1 = 9$	$2 + 7 = 9$	$7 + 1 = 8$

0	1	2	3	4	5	6	7	8	9
	2	2	1	2		1	3	1	

✓
2 2 1 2 1 3 1

3

$2 - 1 = 1$	$10 - 9 = 1$	$9 - 8 = 1$
$8 - \overset{3}{\text{heart}} = 5$	$6 - 4 = 2$	$10 - 3 = 7$
$5 - 2 = 3$	$\overset{0}{1\text{ umbrella}} - 5 = 5$	$3 - \overset{1}{\text{chicken}} = 2$
$6 - 2 = 4$	$8 - 4 = 4$	$8 - 2 = 6$

0	1	2	3	4	5	6	7	8	9
	3	2	1	2	2	1	1		

✓
3 2 1 2 2 1 1

✓ FANTASTIC JOB! TIME FOR A CREATIVE BREAK! 🍷

## HOW TO USE YOUR MATHEPOTAMIA WORKBOOK

After nine quests filled with exciting math tasks, it's time for a fun and creative break! You'll get to draw a surprise picture, but there's a trick to reveal it:

### 1. Decode the Drawing Quest Instructions:

Replace the emojis with numbers from the **checksum decoding tables** of the previous pages. Remember, each emoji is unique to a page but may repeat across different pages. Pay close attention to the page number at the start of each instruction row—it tells you which page's tables to use for your emoji-to-number conversion. In the example, all emojis are taken from page **11**, but in the workbook, they will be from different pages.

### 2. Begin Your Artistic Quest:

Start your drawing at the **green dot** located below the drawing instructions. Follow the drawing instructions by completing **each row**, starting with the left parchment and then moving to the right parchment. In each step, follow the direction given for the number of cells. In the given instructions example, you will start with **2** cells to the right, then **1** cell down, **1** cell to the left, and so on.

### 3. Complete the Circle:

If your drawing concludes on a previously drawn line, you have successfully decoded the picture—congratulations! This confirms that your drawing is accurate and complete.

If your drawing does not connect correctly to a previously drawn line, don't worry! Double-check your instructions for any decoding errors and try again.

### 4. Recognize and Celebrate:

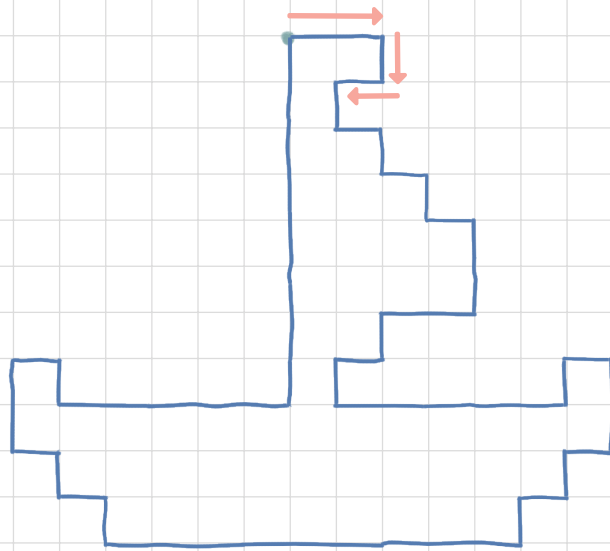
Can you tell what the picture is? Great job decoding it! Completing this drawing quest means you've successfully finished all the quests in the mission - an impressive accomplishment! As a reward for your excellent problem-solving and mission completion, you'll earn a magical collectible for your collection. Mark a final check  on the progress bar to celebrate your achievement and claim your collectible. You've made fantastic progress in your workbook!

# DRAWING QUEST EXAMPLE



9: 2→ <sup>1</sup>🌸↓ 1← 1↓ 1→  
 9: 1↓ 1→ 1↓ <sup>1</sup>💎→ 2↓  
 9: 2← <sup>1</sup>🐝↓ 1← 1↓ 5→  
 9: 1↑ 1→ <sup>2</sup>🐼↓ 1← 1↓  
 9: <sup>1</sup>🐵← 1↓ 9← 1↑ 1←

9: 1↑ 1← <sup>2</sup>🐞↑ 1→ 1↓  
 9: <sup>5</sup>🍏→ 8↑



GREAT JOB! YOU HAVE DECODED THE PICTURE PERFECTLY! ✨

## SMART START

You find yourself standing before the magical Gateway of Wonders. You see a guardian cat named Wondergate waiting by the gateway. "Welcome, young wizard, to the Gateway of Wonders!" she says. "I'm so excited you're here! Come, step through this magical gateway with me, and I'll show you the amazing world of Mathepotamia that lies beyond!"



As you step through the gateway together, the first thing you see is an old, majestic Academy of Numbers with the letters **S-M-A-R-T** glowing brightly above the entrance doors. Wondergate leads you closer to this enchanting building.

"You see," she explains, "there's a powerful way to set goals called SMART. It's like a magic spell that helps you focus your energy and achieve amazing things!"

She points to the glowing letters above the academy doors. "SMART stands for Specific, Measurable, Achievable, Relevant, and Time-bound. Let me explain each one to you."

"**S**pecific means you know exactly what you want to do. Instead of saying, 'I want to be good at math,' you might say, 'I want to practice addition and subtraction with numbers up to 20.'"

"**M**easurable means you can track your progress, like solving a certain number of task quests or completing a drawing quest."

"**A**chievable means it's something you can do with focus and dedication."

"**R**elevant means it matters to you and helps you grow, like discovering which math adventures you enjoy most and where your skills shine brightest."

"**T**ime-bound means you set a time limit for your goal, like completing a mission within a certain number of days"

Wondergate's eyes twinkle with excitement. "Using SMART goals is like casting a magic spell on your dreams. It helps you stay focused, work hard, and celebrate your progress. And guess what? You'll be using SMART goals as you explore each mission and discover your mathematical strengths!"

She hands you a special quill and a magical goal-setting scroll. "Throughout your journey, you'll set your own SMART goals for each mission. This scroll will

## SMART START

help you keep track of your goals and progress. Remember to make your goals specific, measurable, achievable, relevant, and time-bound. And don't forget to celebrate your achievements along the way!"

Wondergate points to the first mission on the scroll. "For example, let's set a SMART goal for the first mission in your quest."

She guides you through the process, and together you write down the following:

**S**

I want to practice addition and subtraction with numbers up to 20 to explore the Academy of Numbers.

**M**

To achieve this, I will solve 9 task quests and complete 1 drawing quest.

**A**

I can try my best and give this mission my full effort.

**R**

This mission will help me understand if the tasks of this level are challenging enough for me.

**T**

I will complete the mission within the next 7 days.

"Excellent work, young wizard!" exclaims Wondergate. "You've just set your first SMART goal. Remember to do this for each mission throughout your journey. Setting clear, measurable goals will help you stay focused and motivated as you explore and discover."

"Now that you understand SMART goals, let's begin your quest through Mathepotamia. Each mission will show you different math adventures and help you discover where your talents shine most brightly. I'll be here to guide you every step of the way. Let's go!"

## JOURNEY PROGRESS

[ ] MISSION 1: THE ACADEMY OF NUMBERS

[ ] MISSION 2: THE FOREST OF FIGURES

[ ] MISSION 3: THE CAVERN OF CALCULATIONS

[ ] MISSION 4: THE CASTLE OF CHALLENGES

As you look at the list of missions ahead, you notice that the first one, "The Academy of Numbers", is already unlocked, waiting for you to start your adventure. The rest of the missions are locked, their secrets waiting to be discovered.

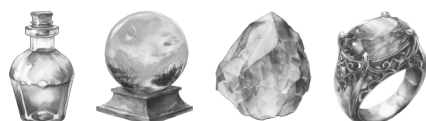


Wondergate, the magical guardian cat, appears with a sparkle in her eyes. "Let me introduce you to your first guide," she says with excitement.

A wise owl swoops down from above and lands gracefully in front of you. "Greetings, young wizard! I am Magister Numberbridge, the Wise Owl," she says with a warm hoot. "I will be your guide in the Academy of Numbers, where the journey to master basic arithmetic begins."

Wondergate continues, "Each time you complete a mission, you'll earn a magical collectible that will give you incredible insights and unlock the next mission. These treasures will help you move through Mathepotamia and discover where your mathematical talents shine brightest."

Magister Numberbridge nods. "Are you ready to set your first SMART goal and begin your adventure in the Academy of Numbers?"



## MISSION 1

# THE ACADEMY OF NUMBERS



In the Academy of Numbers, you'll begin learning basic arithmetic. Magister Numberbridge greets you with a gentle smile.

"To unlock the secrets of the Academy," she says, "you must practice addition and subtraction with numbers up to 20. Only through understanding these foundations can you begin your mathematical journey."

**S**

I want to practice addition and subtraction with numbers up to 20 to explore the secrets of the Academy of Numbers.

**M**

To achieve this, I will solve 9 task quests and complete 1 drawing quest.

**A**

I can try my best and give this mission my full effort.

**R**

This mission will help me understand if the tasks of this level are challenging enough for me.

**T**

I will complete the mission within the next \_\_\_\_\_ days.

Fill in the blank with a specific number of days that feels realistic and achievable for you. Remember, setting SMART goals helps you stay focused, motivated, and on track to achieve your objectives. Keep your goal in mind as you progress through the mission, and celebrate your progress along the way!

# ADDITION UP TO 10

1

$3 + 2 =$

$2 + 3 =$

$1 + 3 =$

$1 + 2 =$

$4 + 3 =$

$2 + 0 =$

$3 + 1 =$

$5 + 5 =$

$5 + 0 =$

$1 + 1 =$

$5 + 3 =$

$3 + 0 =$



0	1	2	3	4	5	6	7	8	9

1 1 2 2 2 3 1 1

2

$1 + 7 =$

$8 + \text{apple} =$

$4 + 6 =$

$4 + 1 =$

$\text{flower} + 5 =$

$2 + 7 =$

$3 + 3 =$

$4 + 4 =$

$2 + 1 =$

$7 + \text{strawberry} =$

$4 + 2 =$

$6 + 2 =$



0	1	2	3	4	5	6	7	8	9

2 2 1 1 2 1 3 2

3

$9 + \text{chicken} =$

$5 + \text{heart} =$

$5 + 4 =$

$4 + 5 =$

$1 + 5 =$

$2 + 4 =$

$7 + 1 =$

$3 + 5 =$

$1 + 6 =$

$8 + 2 =$

$3 + 4 =$

$6 + \text{monkey} =$



0	1	2	3	4	5	6	7	8	9

2 2 3 2 2 3

# SUBTRACTION UP TO 10

1

$6 - 5 =$

$2 - 0 =$

$1 - 0 =$

$0 - 0 =$

$9 - 1 =$

$3 - 0 =$

$7 - 5 =$

$8 - 7 =$

$5 - 4 =$

$4 - 0 =$

$2 - 1 =$

$9 - 3 =$



0 1 2 3 4 5 6 7 8 9

1 5 2 1 1 1 1



2

$5 - 2 =$

$5 - 0 =$

$6 - 4 =$

$3 - 2 =$

$6 - 0 =$

$3 - 1 =$

$7 - 0 =$

$4 - \text{jellyfish} =$

$10 - 4 =$

$4 - \text{butterfly} =$

$6 - 1 =$

$5 - \text{boot} =$



0 1 2 3 4 5 6 7 8 9

1 3 2 1 2 2 1



3

$8 - 5 =$

$9 - 8 =$

$8 - 3 =$

$10 - 5 =$

$10 - 8 =$

$9 - \text{mushroom} =$

$8 - 6 =$

$7 - 4 =$

$5 - 3 =$

$8 - \text{monkey} =$

$9 - 6 =$

$7 - \text{panda} =$



0 1 2 3 4 5 6 7 8 9

1 3 3 1 2 1 1



BUILDING STRENGTH! KEEP UP THE GREAT WORK! 💪

17

# FINDING MISSING NUMBERS IN ADDITION & SUBTRACTION WITHIN 10

1

$0 + \quad = 5$

$\quad + 2 = 9$

$\quad + 3 = 5$

$4 + \quad = 5$

$0 + \quad = 2$

$\quad + 1 = 9$

$0 + \quad = 4$

$7 + \quad = 7$

$2 + \quad = 8$

$\quad + 2 = 10$

$\quad + 5 = 7$

$3 + \quad = 6$



0	1	2	3	4	5	6	7	8	9

1 1 3 1 1 1 1 1 2

2

$\quad + 5 = 6$

$1 + \quad = \text{turtle}$

$0 + \quad = 10$

$6 + \quad = 7$

$9 + \quad = 10$

$5 + \quad = 8$

$9 + \quad = 9$

$\quad + \text{butterfly} = 10$

$8 + \quad = 10$

$\quad + \text{strawberry} = 10$

$3 + \quad = 9$

$5 + \quad = 10$



0	1	2	3	4	5	6	7	8	9

2 5 1 1 1 1 1 1

3

$7 - \quad = 3$

$0 - \quad = 0$

$\quad - 0 = 2$

$2 - \quad = 2$

$\quad - 0 = 1$

$\quad - 4 = 1$

$8 - \quad = 5$

$9 - \quad = \text{plant}$

$10 - \quad = 6$

$\text{chicken} - \quad = 1$

$4 - \quad = 3$

$\text{mushroom} - \quad = 1$



0	1	2	3	4	5	6	7	8	9

3 3 1 1 3 1

# ADDITION OF THREE NUMBERS WITHIN 10

1

$3 + 3 + 4 =$

$1 + 1 + 0 =$

$4 + 4 + 1 =$

$4 + 1 + 4 =$

$5 + 2 + 2 =$

$5 + 4 + 0 =$

$2 + 2 + 0 =$

$1 + 4 + 0 =$

$1 + 1 + 1 =$

$1 + 2 + 0 =$

$2 + 0 + 0 =$

$0 + 1 + 5 =$



0 1 2 3 4 5 6 7 8 9

1 1 2 2 1 1 1 4



2

$2 + 6 + 1 =$

$4 + 3 + 1 =$

$3 + 2 + 3 =$

$3 + 5 + 1 =$

$2 + 5 + 1 =$

$4 + \text{bell} + 5 =$

$4 + 2 + 2 =$

$7 + 2 + 1 =$

$3 + 2 + 1 =$

$1 + \text{butterfly} + 6 =$

$\text{apple} + 3 + 1 =$

$1 + 6 + 1 =$



0 1 2 3 4 5 6 7 8 9

2 2 1 1 5 3



3

$1 + 4 + 4 =$

$2 + 6 + 2 =$

$5 + 1 + 4 =$

$\text{mushroom} + 2 + 6 =$

$3 + 2 + 4 =$

$3 + 3 + \text{plant} =$

$1 + 2 + 2 =$

$6 + 3 + 1 =$

$3 + 1 + 4 =$

$5 + 3 + \text{diamond} =$

$1 + 5 + 3 =$

$2 + 3 + 5 =$



0 1 2 3 4 5 6 7 8 9

5 5 1 2 4



YOU ARE ON FIRE! HALFWAY THERE - KEEP IT UP! 🔥

19

# MIXED ADDITION AND SUBTRACTION

## WITHIN 10

1

$8 + 1 - 1 =$

$7 - 3 + 2 =$

$4 - 1 + 3 =$

$6 + 2 - 1 =$

$1 + 7 - 2 =$

$4 - 1 + 7 =$

$5 + 1 - 1 =$

$1 + 2 - 1 =$

$1 + 4 - 3 =$

$4 - 4 + 4 =$

$9 + 1 - 1 =$

$5 + 2 - 2 =$



1 1 2 1 2 3 1 1 1

2

$7 - 6 + \text{strawberry} =$

$1 + 5 - 3 =$

$4 - 2 + 6 =$

$1 - 1 + 6 =$

$3 + 6 - 6 =$

$6 - 6 + 1 =$

$8 + 2 - 2 =$

$2 - 2 + 2 =$

$7 + \text{sun} - 1 =$

$3 - \text{boot} + 5 =$

$1 - 1 + 7 =$

$1 - 1 + 8 =$



1 1 3 1 3 3

3

$+ 1 - 1 = 8$

$\text{chicken} + 4 - = 6$

$6 + - \text{plant} = 6$

$3 - 3 + = 4$

$2 - + 7 = 8$

$4 - + 3 = 3$

$+ 3 - 3 = 7$

$+ 1 - 1 = 3$

$1 - 1 + = 1$

$- 2 + \text{heart} = 3$

$8 + 2 - = 8$

$+ 6 - 2 = 7$



4 2 2 2 1 1

# ADDITION WITHIN 20 WITHOUT REGROUPING

1

$14 + 3 =$

$11 + 3 =$

$16 + 3 =$

$11 + 7 =$

$13 + 4 =$

$17 + 1 =$

$14 + 5 =$

$11 + 5 =$

$13 + 5 =$

$10 + 4 =$

$16 + 4 =$

$14 + 6 =$



0 1 2 3 4 5 6 7 8 9



2 1 0 2 2 1 2 3 2



2

$14 + 2 =$

$19 + 1 =$

$12 + 1 =$

$18 + \text{bell} =$

$17 + 2 =$

$18 + 2 =$

$15 + 1 =$

$11 + \text{unicorn} =$

$17 + 3 =$

$16 + \text{sun} =$

$10 + 2 =$

$11 + 8 =$



0 1 2 3 4 5 6 7 8 9



3 9 4 2 2 1 3



3

$16 + \quad = 20$

$+ \text{diamond} = 20$

$14 + \quad = 16$

$19 + \quad = 20$

$+ 7 = 1 \text{ plant}$

$+ 5 = 16$

$+ 2 = 14$

$+ \text{monkey} = 20$

$+ 6 = 16$

$+ 4 = 20$

$+ 1 = 18$

$13 + \quad = 14$



0 1 2 3 4 5 6 7 8 9



1 1 1 3 1 1 1 1 1



OVERCOMING CHALLENGES! YOU ARE DOING GREAT! 🐼

21

# SUBTRACTION WITHIN 20 WITHOUT REGROUPING

1

$12 - 2 =$

$11 - 1 =$

$14 - 4 =$

$15 - 1 =$

$15 - 2 =$

$18 - 4 =$

$17 - 4 =$

$12 - 1 =$

$16 - 2 =$

$19 - 2 =$

$13 - 1 =$

$18 - 2 =$



0	1	2	3	4	5	6	7	8	9

3 1 3 1 2 3 1 1

2

$14 - \text{jellyfish} =$

$15 - 5 =$

$18 - 5 =$

$17 - 1 =$

$14 - 1 =$

$16 - 5 =$

$19 - 4 =$

$16 - \text{bell} =$

$\text{apple} - 2 =$

$16 - 4 =$

$16 - 6 =$

$17 - 6 =$



0	1	2	3	4	5	6	7	8	9

2 1 6 1 2 2 1

3

$\quad - 8 = 10$

$18 - \quad = 14$

$14 - \quad = 10$

$15 - \quad = 14$

$\quad - 1 = 13$

$17 - \quad = 10$

$14 - \quad = 13$

$\quad - \text{panda} = 11$

$\quad - 6 = 11$

$\quad - 5 = 13$

$17 - \quad = \text{umbrella}$

$\quad - 3 = \text{plant}$



0	1	2	3	4	5	6	7	8	9

8 1 3 1 2 2 1

22

ALMOST THERE! KEEP DAZZLING WITH YOUR SKILLS! ✨

# ADDITION WITHIN 20 WITH REGROUPING

1

$9 + 9 =$

$3 + 8 =$

$8 + 8 =$

$4 + 9 =$

$9 + 4 =$

$6 + 5 =$

$2 + 9 =$

$8 + 5 =$

$6 + 9 =$

$9 + 3 =$

$5 + 8 =$

$5 + 9 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

1 5 1 4 1 1 1 1



2

$9 + 7 =$

$9 + 2 =$

$7 + 8 =$

$5 + 6 =$

$7 + 5 =$

$9 + 8 =$

$7 + \text{🌸} =$

$5 + 7 =$

$8 + 7 =$

$8 + 3 =$

$4 + 7 =$

$9 + 5 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

1 7 2 1 2 1 1



3

$\quad + 7 = 12$

$9 + \quad = 18$

$6 + \quad = 13$

$\text{🐼} + \quad = 11$

$\quad + 8 = 14$

$9 + \quad = 16$

$\quad + 4 = 12$

$9 + \quad = 15$

$3 + \quad = 10$

$6 + \quad = 12$

$\quad + 6 = 13$

$\quad + 7 = 16$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

1 1 2 3 2 3



NEARLY AT THE FINISH LINE! STAY FOCUSED AND EXCITED! 🐼

23

# MIXED OPERATIONS WITHIN 20

1

$10 + 7 - 3 =$

$17 + 2 - 1 =$

$18 - 11 + 7 =$

$13 + 2 - 1 =$

$5 + 2 - 1 =$

$2 + 13 - 2 =$

$6 - 1 + 14 =$

$4 + 10 - 6 =$

$16 - 12 + 8 =$

$15 - 10 + 7 =$

$9 + 4 - 1 =$

$10 + 4 - 3 =$



0	1	2	3	4	5	6	7	8	9

1 1 3 1 3 1 2 1

2

$12 - 1 + 8 =$

$16 - 7 + 9 =$

$8 - 5 + 15 =$

$10 + 6 - 1 =$

$8 - 4 + 12 =$

$12 - 1 + 4 =$

$14 + 6 - \text{turtle} =$

$15 + 3 - 2 =$

$10 + 6 - 4 =$

$\text{apple} - 5 + 7 =$

$18 - 10 + 8 =$

$7 + 10 - \text{butterfly} =$



0	1	2	3	4	5	6	7	8	9

1 2 1 1 1 2 3 3 1

3

$8 - \quad + 2 = 7$

$14 + \quad - \text{monkey} = 15$

$10 - 9 + \quad = 2$

$6 + \quad - 7 = 9$

$2 - 1 + \quad = 14$

$\quad - 4 + 6 = 9$

$11 + 6 - \quad = 14$

$16 + \text{umbrella} - \quad = 17$

$\quad - \text{panda} + 15 = 18$

$17 + \quad - 1 = 18$

$8 - \quad + 1 = 4$

$2 - \quad + 19 = 20$




0	1	2	3	4	5	6	7	8	9

1 5 1 3 2 1 1


# DRAWING QUEST 1




16: 2↓ 1↖  ↗


17: 1→  ↘ 1↓

18: 1↘ 1→  ↗

19: 2↓  ↙ 1→

20: 1↙ 1→  ↘

21: 1↘ 1→  ↙

22: 2←  ↖

23: 1↙  ↑

24:  ↖ 1↑



GREAT JOB! YOU HAVE DECODED THE PICTURE PERFECTLY! ✨

## IF CHALLENGES FELT TRICKY

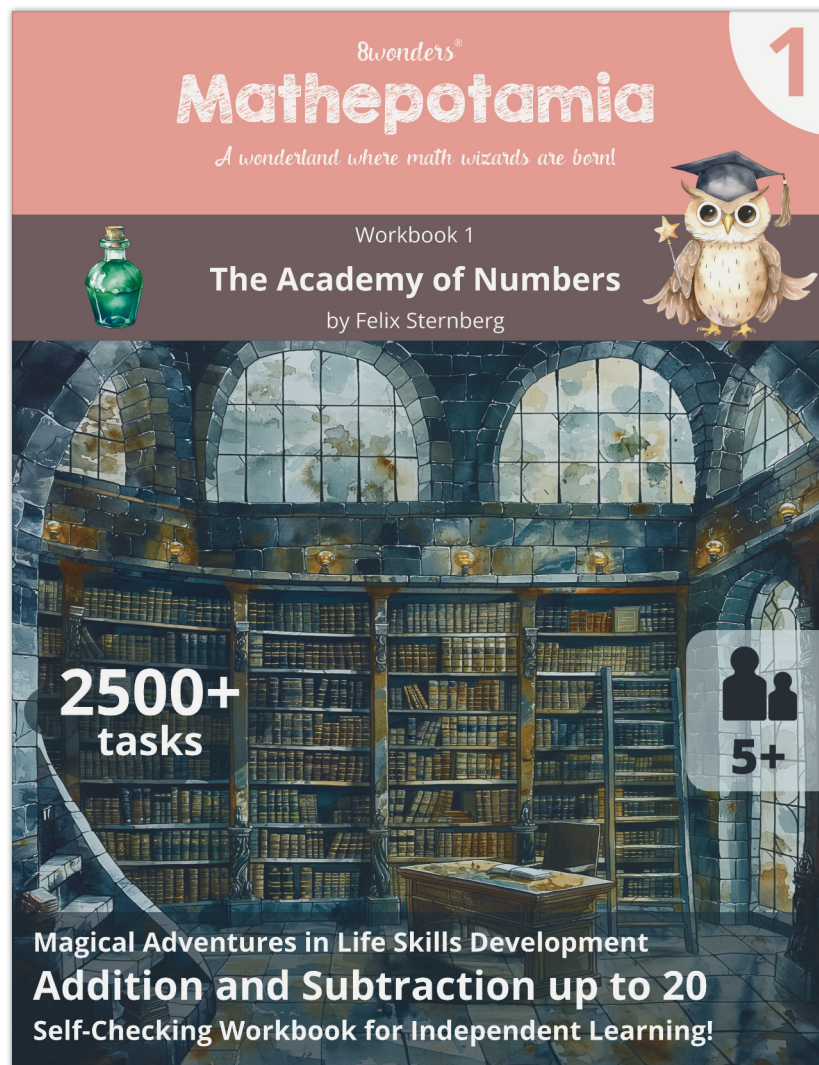


As you try the problems, some parts feel tricky. Wondergate pads over with a warm smile.

“Wonderful effort, young wizard! Every wizard learns at their own pace, and that is perfectly magical,” she says gently.

“Magister Numberbridge has created a special workbook full of new adventures, designed to help you master the Academy of Numbers completely.”

Wondergate’s whiskers twitch with excitement. “When you’re ready, this magical journey will be waiting for you, full of puzzles and secrets ready to be discovered!”



## IF YOU SUCCEEDED

### [X] MISSION 1: THE ACADEMY OF NUMBERS



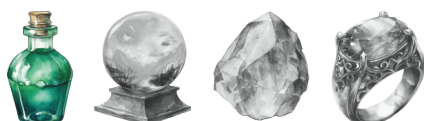
As you solve each problem, the Academy's halls glow brighter with mathematical wisdom. When you solve the final equation, Magister Numberbridge reappears, her feathers shimmering with pride.

"Wonderful! You have earned the Potion of Number Wisdom," she says. "This potion will help you understand the foundation of all mathematics. You've taken your first step on an amazing journey through Mathepotamia!"

### [ ] MISSION 2: THE FOREST OF FIGURES

### [ ] MISSION 3: THE CAVERN OF CALCULATIONS

### [ ] MISSION 4: THE CASTLE OF CHALLENGES



## JOURNEY PROGRESS

MISSION 1: THE ACADEMY OF NUMBERS

MISSION 2: THE FOREST OF FIGURES

MISSION 3: THE CAVERN OF CALCULATIONS

MISSION 4: THE CASTLE OF CHALLENGES

With the magical potion in your hands, a sense of accomplishment fills your heart. Wondergate purrs with delight. "Excellent work, young wizard! Your skill with numbers up to 20 shows you're ready for even greater adventures."

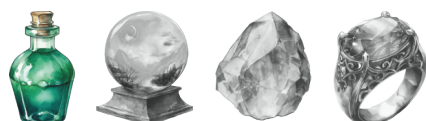


"Your journey is just beginning! Come, let me introduce you to someone very special."

She leads you through a shimmering portal to an enchanted forest filled with towering trees made of numbers. A tall, robed figure with bark-like patterns etched into his staff waits beneath the canopy.

"Meet Magister Greenwood, the Forest Sage," says Wondergate. "He will guide you through the next great challenge in the Forest of Figures."

Magister Greenwood smiles wisely. "Welcome, young wizard. The forest awaits your brilliance. Are you ready to uncover the secrets hidden among its branches?"



## MISSION 2

# THE FOREST OF FIGURES



In the Forest of Figures, numbers grow like trees. Magister Greenwood, the Forest Sage, is waiting for you.

"To unlock the forest's mysteries and discover the path forward," he says, "you must master addition and subtraction with numbers up to 100 and explore the basics of multiplication and division."

**S**

I want to master addition and subtraction up to 100 and learn multiplication and division to unlock the secrets of the Forest of Figures.

**M**

To achieve this, I will solve 9 task quests and complete 1 drawing quest.

**A**

I can try my best and give this mission my full effort.

**R**

This mission will help me understand if the tasks of this level are challenging enough for me.

**T**

I will complete the mission within the next \_\_\_\_\_ days.

Fill in the blank with a specific number of days that feels realistic and achievable for you. Remember, setting SMART goals helps you stay focused, motivated, and on track to achieve your objectives. Keep your goal in mind as you progress through the mission, and celebrate your progress along the way!

# ADDITION OF TENS WITHIN 100

1

$10 + 70 =$

$80 + 20 =$

$80 + 10 =$

$90 + 10 =$

$70 + 20 =$

$10 + 90 =$

$40 + 40 =$

$20 + 60 =$

$60 + 40 =$

$70 + 10 =$

$50 + 50 =$

$30 + 60 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



1 7 5 4 3

2

$10 + 60 =$

$10 + 50 =$

$0 + 20 =$

$60 + 0 =$

$60 + 20 =$

$60 + 10 =$

$20 + 30 =$

$0 + 30 =$

$30 + 10 =$

$50 + 20 =$

$20 + 40 =$

$70 + 30 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



1 3 1 1 1 3 3 2 1

3

$+ 60 = 100$

$+ \text{umbrella} = 70$

$70 + \quad = 80$

$90 + \quad = 100$

$+ 10 = \text{monkey} = 0$

$70 + \quad = 100$

$+ 60 = 80$

$+ 50 = 60$

$60 + \quad = 80$

$\text{tree} + \quad = 100$

$40 + \quad = 90$

$50 + \quad = 90$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



1 2 4 2 1 2 1 1 1

# SUBTRACTION & MIXED OPERATIONS OF TENS WITHIN 100

1

$40 - 30 =$

$80 - 60 =$

$90 - 50 =$

$30 - 10 =$

$70 - 30 =$

$100 - 90 =$

$20 - 10 =$

$80 - 10 =$

$90 - 80 =$

$60 - 20 =$

$40 - 20 =$

$90 - 40 =$



0 1 2 3 4 5 6 7 8 9



1 2 4 3 3 1 1



2

$50 - \text{strawberry} 0 =$

$50 - 30 =$

$\text{boot} 0 - 20 =$

$60 - 10 =$

$100 - \text{apple} 0 =$

$100 - 70 =$

$40 - 10 =$

$70 - 60 =$

$100 - 30 =$

$60 - 30 =$

$80 - 20 =$

$100 - 10 =$



0 1 2 3 4 5 6 7 8 9



1 2 2 1 3 1 1 2 1 1



3

$50 - 20 + 40 =$

$60 + 30 - \text{panda} 0 =$

$20 - 10 + 20 =$

$\text{diamond} 0 - 10 + 80 =$

$\text{chick} 0 + 50 - 40 =$

$90 - 30 + 40 =$

$10 + 20 - 10 =$

$40 - 20 + 10 =$



0 1 2 3 4 5 6 7 8 9



9 1 1 2 1 1 1 1



BUILDING STRENGTH! KEEP UP THE GREAT WORK! 💪

31

# ADDITION WITHIN 100 WITHOUT REGROUPING

1

$44 + 1 =$

$81 + 4 =$

$81 + 9 =$

$22 + 7 =$

$66 + 1 =$

$80 + 5 =$

$68 + 1 =$

$86 + 4 =$

$21 + 7 =$

$46 + 2 =$

$38 + 2 =$

$42 + 2 =$



0	1	2	3	4	5	6	7	8	9

3 2 5 3 2 1 4 4

2

$31 + 2 =$

$97 + 3 =$

$60 + \text{butterfly} =$

$59 + 1 =$

$28 + 2 =$

$54 + 1 =$

$30 + 8 =$

$66 + \text{bell} =$

$23 + 2 =$

$96 + 2 =$

$56 + \text{jellyfish} =$

$69 + 1 =$



0	1	2	3	4	5	6	7	8	9

5 1 2 4 4 3 1 3 2

3

$76 + \quad = 78$

$67 + \quad = 70$

$\quad + 8 = 70$

$71 + \quad = 77$

$\quad + \text{mushroom} = 49$

$\quad + 5 = 66$

$\quad + 6 = \text{monkey} 6$

$26 + \quad = 28$

$\quad + 5 = 68$

$36 + \quad = 39$

$\quad + \text{panda} = 38$

$67 + \quad = 69$



0	1	2	3	4	5	6	7	8	9

1 1 4 5 2 5

# SUBTRACTION WITHIN 100 WITHOUT REGROUPING

1

$35 - 5 =$	$94 - 3 =$	$76 - 3 =$
$44 - 2 =$	$86 - 4 =$	$34 - 1 =$
$72 - 1 =$	$79 - 2 =$	$25 - 5 =$
$24 - 2 =$	$52 - 1 =$	$35 - 2 =$

0	1	2	3	4	5	6	7	8	9

2 3 5 6 1 1 4 1 1

2

$25 - 2 =$	$49 - 1 =$	$97 - 5 =$
$38 - 2 =$	$88 - 3 =$	$79 - \text{turtle} =$
$3\text{flower} - 6 =$	$\text{jellyfish}4 - 4 =$	$34 - 3 =$
$91 - 1 =$	$31 - 1 =$	$36 - 1 =$

0	1	2	3	4	5	6	7	8	9

4 1 3 6 1 2 1 1 3 2

3

$85 - \text{diamond} = 8$	$67 - \text{diamond} = 61$	$\text{diamond} - 5 = 92$
$99 - \text{diamond} = 97$	$\text{diamond} - 3 = 71$	$49 - \text{diamond} = 43$
$64 - \text{clock} = 6$	$79 - \text{diamond} = 74$	$\text{diamond} - 2 = 25$
$\text{diamond} - 7 = 90$	$\text{diamond} - 1 = 51$	$\text{diamond} - 3 = \text{mushroom}5$

0	1	2	3	4	5	6	7	8	9

4 3 2 2 4 1 2

YOU ARE ON FIRE! HALFWAY THERE - KEEP IT UP! 🔥

## ADDITION WITHIN 100 WITH REGROUPING

1

$68 + 11 =$

$25 + 39 =$

$77 + 13 =$

$3 + 75 =$

$3 + 46 =$

$94 + 5 =$

$89 + 11 =$

$65 + 26 =$

$42 + 19 =$

$81 + 15 =$

$62 + 28 =$

$8 + 65 =$



0	1	2	3	4	5	6	7	8	9

4 3 1 2 3 3 1 8

2

$53 + 32 =$

$66 + 25 =$

$60 + 40 =$

$76 + 21 =$

$32 + 32 =$

$73 + 7 =$

$15 + 52 =$

$74 + 11 =$

$1\text{🔔} + 36 =$

$4\text{🦄} + 46 =$

$71 + 7\text{👞} =$

$54 + 4 =$



0	1	2	3	4	5	6	7	8	9

3 2 2 3 2 2 6 5

3

$43 + \quad = 47$

$\quad + 7\text{☂} = 99$

$87 + \quad = 98$

$\quad + 16 = 99$

$\quad + 24 = 39$

$43 + \quad = 60$

$61 + \quad = 72$

$52 + \quad = 80$

$86 + \quad = 94$

$\quad + \text{💎} = 94$

$\quad + 45 = 80$

$4\text{🍄} + \quad = 66$



0	1	2	3	4	5	6	7	8	9

6 4 3 1 2 1 1 3 1

# SUBTRACTION WITHIN 100 WITH REGROUPING

1

$28 - 4 =$	$31 - 9 =$	$70 - 6 =$
$47 - 6 =$	$56 - 12 =$	$47 - 4 =$
$30 - 4 =$	$35 - 2 =$	$34 - 13 =$
$55 - 9 =$	$22 - 2 =$	$68 - 42 =$

0	1	2	3	4	5	6	7	8	9

1 2 7 3 7 4

2

$66 - 25 =$	$39 - 6 =$	$90 - 6 =$
$89 - 30 =$	$81 - 3 =$	$84 - 42 =$
$94 - 28 =$	$36 - 7 =$	$63 - 34 =$
$99 - 67 =$	$37 - 13 =$	$32 - 3 =$

0	1	2	3	4	5	6	7	8	9

1 8 3 4 1 2 1 4

3

$\quad - 5 = 42$	$\quad - 2 = 20$	$31 - \quad = 28$
$\quad - 24 = 31$	$68 - \quad = 44$	$\quad - 2 = 26$
$77 - \quad = 34$	$\quad - 30 = 53$	$\quad - 5 = 29$
$\quad - 5 = 2$	$99 - \quad = 5$	$\quad - 19 = \quad$

0	1	2	3	4	5	6	7	8	9

5 4 7 2 2 1 2

OVERCOMING CHALLENGES! YOU ARE DOING GREAT! 🎉

# OPERATIONS WITH TENS UP TO 200

1

$40 + 70 =$

$90 + 40 =$

$50 + 70 =$

$30 + 90 =$

$20 + 90 =$

$60 + 80 =$

$40 + 90 =$

$30 + 80 =$

$90 + 70 =$

$60 + 90 =$

$40 + 80 =$

$90 + 20 =$



0	1	2	3	4	5	6	7	8	9

1 2 1 6 3 2 1 1 1

2

$140 - 50 =$

$170 - 90 =$

$140 - 70 =$

$180 - 90 =$

$140 - 80 =$

$1\text{ butterfly}0 - 40 =$

$110 - 50 =$

$130 - 50 =$

$150 - 80 =$

$1\text{ flower}0 - 30 =$

$110 - 60 =$

$\text{apple}0 - 70 =$



0	1	2	3	4	5	6	7	8	9

1 2 1 2 2 2 5

3

$30 - 20 + \text{clock}0 =$

$60 + 120 - 90 =$

$70 + 70 - 60 =$

$170 - 110 + \text{heart}0 =$

$190 - 160 + 30 =$

$170 - 30 + 40 =$

$70 - 60 + 60 =$

$\text{diamond}0 - 10 + 100 =$



0	1	2	3	4	5	6	7	8	9

8 3 2 1 3 1

# MULTIPLICATION WITHIN 20

1

$2 * 2 =$

$4 * 1 =$

$3 * 1 =$

$7 * 1 =$

$0 * 9 =$

$10 * 2 =$

$5 * 4 =$

$1 * 4 =$

$4 * 2 =$

$1 * 10 =$

$9 * 2 =$

$6 * 2 =$



0 1 2 3 4 5 6 7 8 9



4 3 3 1 3 1 2



2

$1 * 9 =$

$7 * \text{turtle} =$

$10 * 1 =$

$2 * 9 =$

$5 * 3 =$

$4 * 3 =$

$5 * 1 =$

$6 * 3 =$

$6 * \text{flower} =$

$\text{jellyfish} * 4 =$

$2 * 10 =$

$2 * 4 =$



0 1 2 3 4 5 6 7 8 9



2 7 2 1 2 2 3 1



3

$8 * \quad = 8$

$2 * \quad = 8$

$* 2 = 16$

$7 * \quad = 14$

$* 8 = 8$

$* \text{umbrella} = 14$

$1 * \quad = 4$

$* \text{monkey} = 18$

$6 * \quad = 18$

$* 1 = 8$

$7 * \quad = \text{plant}$

$9 * \quad = 9$



0 1 2 3 4 5 6 7 8 9



4 1 1 2 1 1 2



NEARLY AT THE FINISH LINE! STAY FOCUSED AND EXCITED! 🐼

37

# DIVISION WITHIN 20

1

$16 \div 8 =$

$5 \div 5 =$

$18 \div 9 =$

$8 \div 4 =$

$3 \div 3 =$

$14 \div 7 =$

$6 \div 6 =$

$16 \div 2 =$

$15 \div 3 =$

$2 \div 2 =$

$9 \div 3 =$

$12 \div 2 =$



0	1	2	3	4	5	6	7	8	9

4 4 1 1 1 1

2

$6 \div 2 =$

$20 \div 2 =$

$10 \div 2 =$

$1 \text{ butterfly} \div 2 =$

$8 \div 8 =$

$1 \text{ apple} \div 2 =$

$7 \div 7 =$

$10 \div 10 =$

$20 \div 5 =$

$1 \text{ boot} \div 5 =$

$18 \div 2 =$

$12 \div 3 =$



0	1	2	3	4	5	6	7	8	9

1 4 2 1 2 1 1 1

3

$1 \div 1 = 7$

$1 \div 2 = 1$

$1 \div 5 = \text{plant icon}$

$10 \div 1 = 10$

$15 \div 5 = 3$

$1 \div 5 = 3$

$1 \div 8 = 1$

$18 \div 6 = 3$

$1 \div 7 = 2$

$16 \div 8 = 2$

$1 \text{ heart} \div 1 = 1$

$1 \text{ tree} \div 6 = 6$



0	1	2	3	4	5	6	7	8	9

1 5 3 1 2 1 1 2

## DRAWING QUEST 2



30: 8→ 1↑ 🍏← 2↑

31: 1→ 2↑ 1→ 🍦↑

32: 1→ 2↑ ★→ 1↑

33: 1→ 🐞↑ 2→

34: 5↓ 6↓ ☀→

35: 1↓ ✂← 1↓

36: 🪙← 1↓ 7←

37: 🌱← 1↑ 1←

38: 1↑ 🏀← 1↑



GREAT JOB! YOU HAVE DECODED THE PICTURE PERFECTLY! ✨

39

## IF CHALLENGES FELT TRICKY



Some tasks felt tricky this time, but you gave it a brave try. Wondergate appears beside Magister Greenwood.

“This young wizard gave it everything,” Wondergate says proudly.

Magister Greenwood steps forward with a kind smile. “Then I would be honored to guide you further. My Forest of Figures workbook is full of new adventures waiting to be discovered.”

Wondergate nods. “When you’re ready, the enchanted forest will welcome you back with open arms and countless mysteries hidden among its branches.”

The image shows the cover of a workbook titled 'Mathepotamia: The Forest of Figures'. The cover features a dark, atmospheric illustration of a forest with gnarled trees and a stone path. At the top, the text reads '8wonders® Mathepotamia' with a large number '2' in a white circle. Below this, it says 'A wonderland where math wizards are born!'. The middle section includes 'Workbook 2', 'The Forest of Figures', and 'by Felix Sternberg'. On the left, there is an illustration of a glowing orb. On the right, there is an illustration of a wizard. In the bottom left, it says '2400+ tasks'. In the bottom right, there is an icon of two people and the text '7+'. At the bottom, it lists 'Magical Adventures in Life Skills Development', 'Addition and Subtraction up to 100', 'Intro to Multiplication and Division up to 20', and 'Self-Checking Workbook for Independent Learning!'.

## IF YOU SUCCEEDED

MISSION 1: THE ACADEMY OF NUMBERS

MISSION 2: THE FOREST OF FIGURES

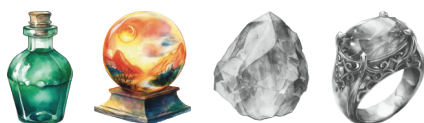


As you solve each problem, the forest comes alive. Numbers leap from branches and equation flowers bloom. When you finish the final task, a glowing crystal ball emerges from the roots of an ancient tree.

"Magnificent! You have earned the Crystal Ball of Forest Wisdom," declares Magister Greenwood, his beard glowing with forest magic.

MISSION 3: THE CAVERN OF CALCULATIONS

MISSION 4: THE CASTLE OF CHALLENGES



## JOURNEY PROGRESS

[X] MISSION 1: THE ACADEMY OF NUMBERS

[X] MISSION 2: THE FOREST OF FIGURES

[ ] MISSION 3: THE CAVERN OF CALCULATIONS

[ ] MISSION 4: THE CASTLE OF CHALLENGES

The crystal ball glows in your hands as Wondergate steps from the trees, beaming with pride.



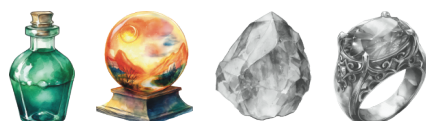
"Outstanding, young wizard! Your skills are growing beautifully," she says. "It's time to continue your journey."

The trees part, revealing a rocky trail leading into a mysterious cavern. Wondergate smiles. "Come, let me introduce you to your next guide."

From the cave's entrance, a figure steps forward, his cloak sparkling like gemstones.

"Meet Magister Stonemantle, the Cavern Sage," says Wondergate. "He will lead you through the Cavern of Calculations."

Magister Stonemantle nods. "Welcome, young wizard. The deeper mysteries await."



## MISSION 3

# THE CAVERN OF CALCULATIONS



The Cavern of Calculations is filled with glowing crystals and number magic. Magister Stonemantle welcomes you with a deep voice.

"To unlock these hidden treasures," he says, "you must master multiplication and division up to 100 and operations up to 200."

**S**

I want to master multiplication and division up to 100 and operations up to 200 to uncover the secrets of the Cavern of Calculations.

**M**

To achieve this, I will solve 9 task quests and complete 1 drawing quest.

**A**

I can try my best and give this mission my full effort.

**R**

This mission will help me understand if the tasks of this level are challenging enough for me.

**T**

I will complete the mission within the next \_\_\_\_\_ days.

Fill in the blank with a specific number of days that feels realistic and achievable for you. Remember, setting SMART goals helps you stay focused, motivated, and on track to achieve your objectives. Keep your goal in mind as you progress through the mission, and celebrate your progress along the way!

# MULTIPLICATION WITHIN 100

1

$4 * 9 =$

$4 * 8 =$

$5 * 6 =$

$3 * 8 =$

$2 * 9 =$

$5 * 8 =$

$2 * 8 =$

$5 * 5 =$

$4 * 5 =$

$4 * 10 =$

$3 * 7 =$

$3 * 5 =$



0	1	2	3	4	5	6	7	8	9

4 4 5 3 3 2 2 1

2

$\text{apple} * 4 =$

$4 * 7 =$

$\text{boot} * 6 =$

$3 * 10 =$

$5 * 7 =$

$5 * 4 =$

$2 * 10 =$

$\text{flower} * 9 =$

$4 * 6 =$

$5 * 10 =$

$5 * 9 =$

$5 * 3 =$



0	1	2	3	4	5	6	7	8	9

4 3 5 2 2 4 1 1 2

3

$* 4 = 16$

$* 9 = 18$

$\text{panda} * = 20$

$* 7 = 28$

$* 7 = 21$

$4 * = 40$

$* 6 = 18$

$3 * = 24$

$\text{plant} * = 30$

$\text{monkey} * = 18$

$3 * = 18$

$* 8 = 24$



0	1	2	3	4	5	6	7	8	9

2 2 1 3 3 1 1 1

# MULTIPLICATION WITHIN 100

1

$8 * 3 =$

$5 * 8 =$

$6 * 3 =$

$7 * 10 =$

$9 * 6 =$

$6 * 10 =$

$8 * 5 =$

$10 * 6 =$

$7 * 7 =$

$10 * 9 =$

$10 * 3 =$

$5 * 9 =$



0 1 2 3 4 5 6 7 8 9



7 1 1 1 6 2 2 1 1 2



2

$5 * \text{boot} =$

$6 * 9 =$

$6 * 4 =$

$6 * 7 =$

$9 * 8 =$

$8 * 8 =$

$\text{jellyfish} * 3 =$

$7 * 9 =$

$8 * 7 =$

$5 * 5 =$

$8 * 4 =$

$6 * 5 =$



0 1 2 3 4 5 6 7 8 9



2 1 6 4 4 3 3 1



3

$7 * \quad = 35$

$\quad * 9 = 5 \text{ chick}$

$8 * \quad = \text{diamond} 2$

$\quad * 4 = 36$

$\quad * 7 = 5 \text{ panda}$

$\quad * 9 = 81$

$\quad * 8 = 40$

$6 * \quad = 36$

$\quad * 5 = 30$

$7 * \quad = 56$

$8 * \quad = 56$

$\quad * 6 = 30$



0 1 2 3 4 5 6 7 8 9



1 3 3 1 2 2



BUILDING STRENGTH! KEEP UP THE GREAT WORK! 🍌

45

# MULTIPLICATION WITHIN 100

1

$6 * 7 =$

$5 * 5 =$

$3 * 9 =$

$8 * 5 =$

$7 * 9 =$

$7 * 3 =$

$8 * 4 =$

$9 * 7 =$

$8 * 9 =$

$8 * 8 =$

$4 * 5 =$

$9 * 6 =$



0	1	2	3	4	5	6	7	8	9

2 1 7 3 4 2 3 2

2

$6 * 9 =$

$5 * \text{boot} =$

$4 * 8 =$

$8 * 3 =$

$3 * 3 =$

$9 * 5 =$

$4 * 7 =$

$8 * 7 =$

$6 * \text{bell} =$

$7 * 5 =$

$5 * \text{flower} =$

$3 * 8 =$



0	1	2	3	4	5	6	7	8	9

1 2 5 2 4 5 1 2 1

3

$10 * \quad = 100$

$* 7 = 63$

$* 7 = \text{chicken} 1$

$* 3 = \text{monkey} 1$

$* 2 = 6$

$* 10 = 80$

$* 4 = 24$

$* 5 = 15$

$8 * \quad = 40$

$* 3 = 18$

$8 * \quad = 80$

$* 9 = 4 \text{ umbrella}$



0	1	2	3	4	5	6	7	8	9

2 2 3 2 2 1 1 1

# DIVISION WITHIN 100

1

$6 \div 3 =$

$24 \div 3 =$

$28 \div 4 =$

$14 \div 2 =$

$15 \div 5 =$

$12 \div 3 =$

$10 \div 5 =$

$25 \div 5 =$

$5 \div 5 =$

$12 \div 4 =$

$21 \div 3 =$

$6 \div 2 =$



0 1 2 3 4 5 6 7 8 9



1 2 3 1 1 3 1



2

$16 \div 4 =$

$35 \div 5 =$

$9 \div \text{🐉} =$

$3 \text{🦋} \div 4 =$

$30 \div 3 =$

$3 \div 3 =$

$30 \div 5 =$

$2 \div 2 =$

$8 \div 4 =$

$27 \div 3 =$

$\text{🐢} 6 \div 2 =$

$20 \div 2 =$



0 1 2 3 4 5 6 7 8 9



2 4 1 1 1 1 1 2 1



3

$56 \div 7 =$

$\text{🌱} 0 \div 10 =$

$7 \text{🐒} \div 9 =$

$48 \div 6 =$

$72 \div 8 =$

$36 \div 9 =$

$70 \div 10 =$

$60 \div 10 =$

$20 \div 10 =$

$6 \div 6 =$

$21 \div 7 =$

$4 \text{🍄} \div 6 =$



0 1 2 3 4 5 6 7 8 9



1 1 1 2 1 2 3 1



YOU ARE ON FIRE! HALFWAY THERE - KEEP IT UP! 🔥

47

# DIVISION WITHIN 100

1

$50 \div 5 =$

$30 \div 5 =$

$81 \div 9 =$

$54 \div 9 =$

$25 \div 5 =$

$90 \div 9 =$

$70 \div 7 =$

$60 \div 6 =$

$42 \div 6 =$

$24 \div 6 =$

$54 \div 6 =$

$49 \div 7 =$



0	1	2	3	4	5	6	7	8	9

4 4 1 1 2 2 2

2

$\text{🍏} 0 \div 5 =$

$45 \div 5 =$

$64 \div 8 =$

$80 \div 8 =$

$4\text{🐎} \div 7 =$

$36 \div 6 =$

$48 \div 8 =$

$21 \div 3 =$

$35 \div 7 =$

$36 \div 4 =$

$\text{🔔} 4 \div 8 =$

$32 \div 4 =$



0	1	2	3	4	5	6	7	8	9

1 1 1 1 3 1 3 2

3

$18 = 8$

$15 = 5$

$17 = \text{🐵}$

$70 \div \quad = 10$

$19 = 5$

$21 \div \quad = \text{💎}$

$60 \div \quad = 10$

$4\text{🕒} \div \quad = 6$

$17 = 4$

$19 = 8$

$17 = 7$

$15 = 8$



0	1	2	3	4	5	6	7	8	9

1 1 4 4 2 2 4 1 1

# ADDITION AND SUBTRACTION WITHIN 200

1

$86 + 99 =$

$55 + 89 =$

$55 + 57 =$

$50 + 97 =$

$98 + 53 =$

$80 + 74 =$

$68 + 74 =$

$63 + 53 =$

$65 + 51 =$

$83 + 59 =$

$68 + 69 =$

$66 + 68 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

1 6 3 2 7 3 2 2 1



2

$67 + \text{🍓} = 135$

$98 + \text{👞} = 196$

$84 + 84 = 168$

$85 + \text{🍓} = 172$

$84 + 84 = 168$

$53 + 53 = 106$

$66 + 66 = 132$

$69 + 69 = 138$

$60 + 60 = 120$

$54 + 54 = 108$

$93 + \text{👞} = 186$

$52 + \text{🦋} = 104$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

1 2 1 1 3 3 2 3 4 4



3

$167 - 87 =$

$150 - 58 =$

$145 - \text{🐵} =$

$180 - 96 =$

$174 - 91 =$

$195 - 98 =$

$116 - 44 =$

$144 - 5\text{❤️} =$

$181 - 96 =$

$187 - 9\text{🐣} =$

$106 - 54 =$

$110 - 56 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---

1 1 3 1 2 3 1 3 4 5



OVERCOMING CHALLENGES! YOU ARE DOING GREAT! 🍷

49

# OPERATIONS WITH MULTIPLES OF 5

1

$90 * 2 =$

$80 * 2 =$

$35 * 4 =$

$60 * 3 =$

$75 * 2 =$

$95 * 2 =$

$40 * 2 =$

$70 * 2 =$

$20 * 4 =$

$15 * 6 =$

$40 * 4 =$

$30 * 2 =$



0	1	2	3	4	5	6	7	8	9

1 2 8 2 1 3 4 2

2

$170 / 2 =$

$100 / 2 =$

$200 / 8 =$

$130 / 2 =$

$105 / 7 =$

$70 / 2 =$

$60 / \text{🐢} =$

$115 / 9 =$

$175 / 5 =$

$150 / 5 =$

$200 / 2 =$

$195 / 3 =$



0	1	2	3	4	5	6	7	8	9

4 4 1 3 9 2 1 1

3

$180 / = \text{🌱}5$

$110 / = 55$

$/ 9 = 15$

$135 / = 45$

$/ 7 = 20$

$150 / = 50$

$95 * = \text{☂️}0$

$/ 5 = \text{💎}5$

$* 6 = 150$

$90 / = 30$

$170 / = 85$

$200 / = 25$



0	1	2	3	4	5	6	7	8	9

1 3 5 4 2 3 1

# EXTENDED MULTIPLICATION

## WITH 11-19

1

$12 * 7 =$	$12 * 5 =$	$13 * 8 =$
$14 * 7 =$	$11 * 6 =$	$12 * 4 =$
$13 * 4 =$	$11 * 8 =$	$13 * 5 =$
$11 * 7 =$	$13 * 3 =$	$12 * 9 =$

0	1	2	3	4	5	6	7	8	9

3 2 1 1 3 2 4 2 6 2

2

$18 * 9 =$	$18 * 3 =$	$17 * \text{🐢} =$
$18 * 7 =$	$16 * \text{🍏} =$	$16 * 6 =$
$17 * 3 =$	$16 * 9 =$	$19 * 4 =$
$17 * 9 =$	$16 * \text{👢} =$	$19 * 5 =$

0	1	2	3	4	5	6	7	8	9

1 6 4 2 4 4 4 1 1 2

3

$1\text{🌲} * = 42$	$* 2 = 24$	$* 9 = 12\text{🌱}$
$* 5 = 60$	$13 * = 52$	$12 * = 84$
$11 * = 66$	$11 * = 44$	$11 * = 88$
$13 * = 78$	$11 * = 22$	$* \text{💎} = 44$

0	1	2	3	4	5	6	7	8	9

5 3 1 3 2 1 1

NEARLY AT THE FINISH LINE! STAY FOCUSED AND EXCITED! 🐱

# EXTENDED DIVISION

## WITH RESULTS 11-19

1

$66 \div 6 =$

$28 \div 2 =$

$65 \div 5 =$

$104 \div 8 =$

$60 \div 5 =$

$126 \div 9 =$

$42 \div 3 =$

$72 \div 6 =$

$88 \div 8 =$

$77 \div 7 =$

$55 \div 5 =$

$98 \div 7 =$



0	1	2	3	4	5	6	7	8	9

1 6 2 2 4

2

$128 \div 8 =$

$34 \div \text{butterfly} =$

$171 \div 9 =$

$72 \div 4 =$

$153 \div 9 =$

$57 \div 3 =$

$68 \div \text{boot} =$

$36 \div \text{lotus} =$

$112 \div 7 =$

$108 \div 6 =$

$144 \div 8 =$

$64 \div 4 =$



0	1	2	3	4	5	6	7	8	9

1 2 3 3 4 2

3

$104 \div \text{plant} = 13$

$15 \div 11 =$

$1 \text{ plant} \div 14 =$

$42 \div 14 =$

$13 \div \text{monkey} =$

$15 \div 14 =$

$77 \div 11 =$

$12 \div 14 =$

$52 \div 1 \text{ heart} =$

$19 = 12$

$14 = 13$

$13 = 12$



0	1	2	3	4	5	6	7	8	9

2 1 3 2 2 3 1 2 4

### DRAWING QUEST 3



44: 1↗ 2→ ★↗ 2→

45: 2↑ 🍒↗ 4↓ 1↘

46: 2↓ 2↘ 9→ 🐞↗

47: 2↑ 🍦↗ 4↓

48: 🐱↙ 5↓ 2←

49: 1↑ 1→ 🌸↑

50: ☂️← 3↓ 2←

51: 1↑ 1→ 🐝↑

52: 4↖ 🐵← 2↖

✓ GREAT JOB! YOU HAVE DECODED THE PICTURE PERFECTLY! ✨



## IF CHALLENGES FELT TRICKY

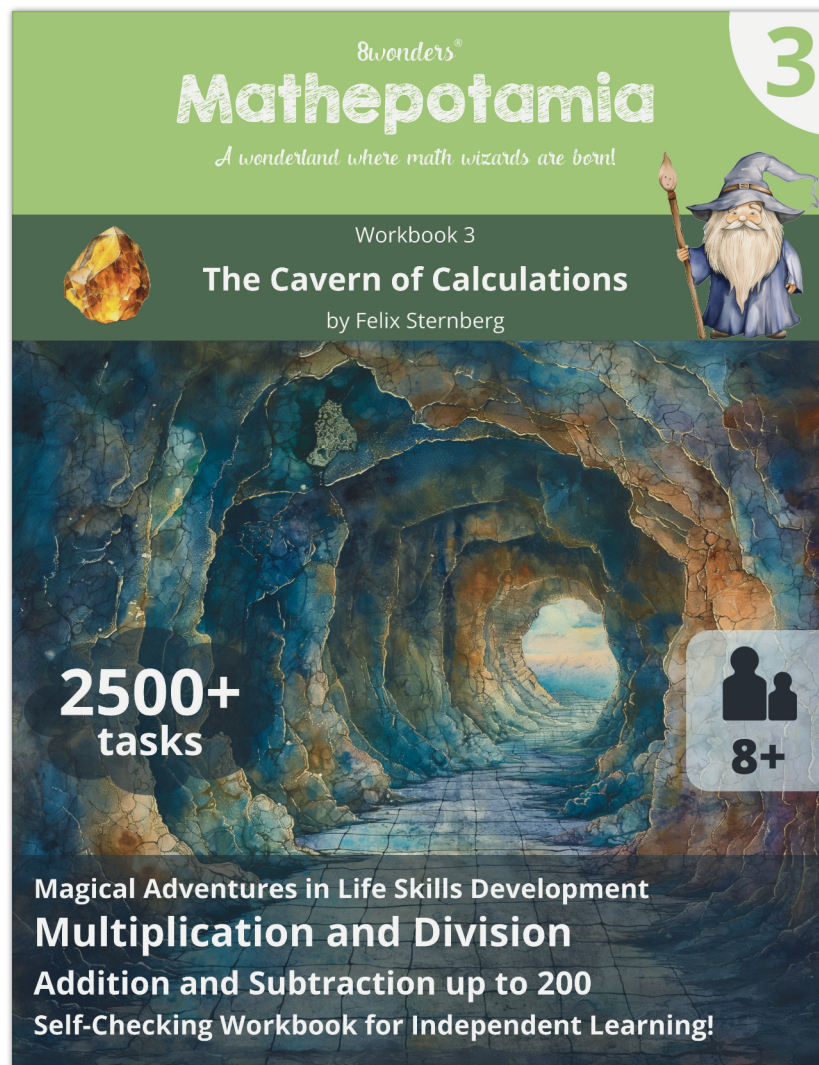


You faced challenges in the cavern, yet you kept going with courage. Wondergate stands beside Magister Stonemantle.

“This young wizard never gave up,” Wondergate says proudly.

Magister Stonemantle rumbles with warmth. “I would be delighted to guide you further. My Cavern of Calculations workbook holds new adventures ready to be discovered.”

Wondergate smiles. “When you’re ready, the glowing crystals will light your way and the caverns will echo with welcome.”



## IF YOU SUCCEEDED

[X] MISSION 1: THE ACADEMY OF NUMBERS

[X] MISSION 2: THE FOREST OF FIGURES

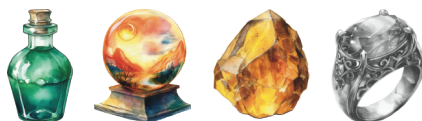
[X] MISSION 3: THE CAVERN OF CALCULATIONS



As you complete the final challenge, the cavern walls shimmer with light. From a glowing pool of starlight, a radiant amber stone rises.

"Incredible! You have earned the Amber Stone of Calculation Mastery," says Magister Stonemantle with deep pride.

[ ] MISSION 4: THE CASTLE OF CHALLENGES



## JOURNEY PROGRESS

[X] MISSION 1: THE ACADEMY OF NUMBERS

[X] MISSION 2: THE FOREST OF FIGURES

[X] MISSION 3: THE CAVERN OF CALCULATIONS

[ ] MISSION 4: THE CASTLE OF CHALLENGES

The amber stone glows warmly in your hands as Wondergate steps from the shadows, smiling.



"Amazing work, young wizard," she says. "You've conquered the Cavern of Calculations."

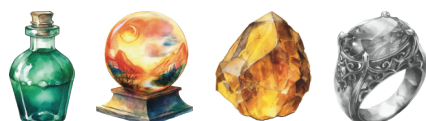
The cavern opens to a spiral stairway rising toward golden towers above.

"One final challenge remains," says Wondergate. "Let me introduce you to the final magister."

At the top of the stairs, a majestic figure awaits, his beard golden and his eyes wise.

"Meet Magister Goldbeard, the Castle Sage," she says.

Goldbeard bows. "Welcome, young wizard. Are you ready for the greatest challenge of all?"



## MISSION 4

# THE CASTLE OF CHALLENGES



Your path through Mathepotamia has led you to the Castle of Challenges. Magister Goldbeard stands ready to greet you at the gates.

"To prove yourself here," he says, "you must master operations up to 1000 and conquer the order of operations."

**S**

I want to master operations up to 1000 and the order of operations to claim my place in the Castle of Challenges.

**M**

To accomplish this, I will solve 9 task quests and complete 1 drawing quest.

**A**

I can try my best and give this mission my full effort.

**R**

This mission will help me understand if the tasks of this level are challenging enough for me.

**T**

I will complete the mission within the next \_\_\_\_\_ days.

Fill in the blank with a specific number of days that feels realistic and achievable for you. Remember, setting SMART goals helps you stay focused, motivated, and on track to achieve your objectives. Keep your goal in mind as you progress through the mission, and celebrate your progress along the way!

# COMPLEX MULTIPLICATION WITHIN 200

1

$22 * 6 =$

$60 * 3 =$

$62 * 3 =$

$57 * 3 =$

$63 * 3 =$

$67 * 2 =$

$36 * 3 =$

$48 * 4 =$

$79 * 2 =$

$90 * 2 =$

$45 * 4 =$

$97 * 2 =$



0	1	2	3	4	5	6	7	8	9

4 1 3 2 2 2 1 1 1 7 3

2

$91 * 2 =$

$9\text{boot} * 2 =$

$85 * 2 =$

$98 * \text{butterfly} =$

$63 * 2 =$

$49 * 4 =$

$99 * 2 =$

$40 * 5 =$

$\text{jellyfish}0 * 4 =$

$50 * 2 =$

$50 * 4 =$

$96 * 2 =$



0	1	2	3	4	5	6	7	8	9

8 1 0 5 1 4 1 3 4

3

$46 * \text{key} = 92$

$38 * \text{key} = 190$

$41 * \text{key} = 164$

$* 3 = \text{heart}26$

$* 2 = 136$

$30 * \text{key} = 120$

$* \text{panda} = 150$

$* 7 = 175$

$* 2 = 178$

$* 2 = 17\text{clock}$

$* 2 = 142$

$* 2 = 166$



0	1	2	3	4	5	6	7	8	9

1 1 3 2 3 2 1 2 4 1

58

OFF TO A GREAT START! KEEP SOARING TO NEW HEIGHTS!

# COMPLEX DIVISION WITHIN 200

1

$189 \div 9 =$

$88 \div 4 =$

$170 \div 5 =$

$150 \div 5 =$

$166 \div 2 =$

$110 \div 2 =$

$138 \div 3 =$

$92 \div 2 =$

$168 \div 8 =$

$86 \div 2 =$

$84 \div 2 =$

$168 \div 7 =$



0 1 2 3 4 5 6 7 8 9

1 2 6 4 6 2 2 1



2

$188 \div 2 =$

$63 \div 3 =$

$1\text{ boot} \div 2 =$

$180 \div 5 =$

$46 \div 2 =$

$17\text{ butterfly} \div 8 =$

$180 \div 3 =$

$112 \div 4 =$

$136 \div 4 =$

$145 \div 5 =$

$146 \div 2 =$

$48 \div \text{strawberry} =$



0 1 2 3 4 5 6 7 8 9

1 2 7 4 3 2 1 2 2



3

$12 = 5\text{ skull}$

$105 \div \quad = 35$

$15 = 29$

$186 \div \quad = 31$

$15 = \text{plant} \times 2$

$128 \div \quad = 32$

$1\text{ diamond} = 27$

$200 \div \quad = 40$

$13 = 57$

$13 = 49$

$162 \div \quad = 27$

$14 = 49$



0 1 2 3 4 5 6 7 8 9

1 9 1 5 3 3 2 1



BUILDING STRENGTH! KEEP UP THE GREAT WORK! 🍌

59

# ADDITION WITHIN 1000

1

$123 + 97 =$

$326 + 93 =$

$637 + 94 =$

$188 + 89 =$

$403 + 97 =$

$460 + 52 =$

$478 + 88 =$

$325 + 90 =$

$449 + 61 =$

$580 + 35 =$

$227 + 95 =$

$536 + 64 =$



0	1	2	3	4	5	6	7	8	9

6 6 6 2 2 6 4 3 1

2

$230 + 91 =$

$679 + 58 =$

$756 + 96 =$

$534 + 84 =$

$807 + 93 =$

$397 + 12 =$

$162 + 80 =$

$8\text{👞} + 88 =$

$6\text{🐒}4 + 85 =$

$37\text{🔔} + 36 =$

$321 + 95 =$

$573 + 82 =$



0	1	2	3	4	5	6	7	8	9

5 6 4 2 4 3 3 3 2 4

3

$+ 69 = 667$

$+ 88 = 532$

$431 + = 510$

$371 + = 400$

$+ 70 = \text{🌴}19$

$606 + = 700$

$+ 49 = 333$

$+ 95 = 702$

$532 + = 622$

$\text{🐼}53 + = 303$

$+ 6\text{🍄} = 243$

$+ 67 = 929$



0	1	2	3	4	5	6	7	8	9

3 1 3 6 3 2 3 4 6

60

YOU ARE IN TOP FORM! KEEP PUSHING FORWARD! 🍀

# SUBTRACTION WITHIN 1000

1

$603 - 27 =$

$880 - 88 =$

$888 - 89 =$

$623 - 85 =$

$320 - 66 =$

$300 - 67 =$

$264 - 73 =$

$758 - 59 =$

$464 - 69 =$

$614 - 16 =$

$760 - 82 =$

$325 - 51 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



2 4 4 2 5 3 5 3 8



2

$33\text{🌸} - 63 =$

$\text{☀️}83 - 86 =$

$715 - 67 =$

$954 - 81 =$

$223 - 75 =$

$532 - \text{🦋}3 =$

$929 - 46 =$

$643 - 55 =$

$959 - 75 =$

$252 - 63 =$

$463 - 81 =$

$319 - 75 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



3 3 3 6 1 1 4 1 2 3



3

$- 59 = 747$

$- 89 = 499$

$- 75 = 693$

$- \text{🌲}4 = 289$

$319 - \quad = 293$

$709 - \quad = 69\text{💎}$

$- 88 = 584$

$417 - \quad = 362$

$- 5\text{❤️} = 769$

$- 52 = 594$

$- 70 = 430$

$- 34 = 788$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



3 1 5 3 1 5 6 2 7



YOU ARE ON FIRE! HALFWAY THERE - KEEP IT UP! 🔥

61

# EXTENDED ADDITION AND SUBTRACTION

## WITHIN 1000

1

$278 + 253 =$

$342 + 199 =$

$423 + 308 =$

$100 + 485 =$

$817 + 150 =$

$401 + 307 =$

$214 + 560 =$

$475 + 219 =$

$234 + 191 =$

$166 + 335 =$

$301 + 325 =$

$321 + 651 =$



2 4 3 2 4 6 4 6 2 3

2

$544 - 177 =$

$235 - 115 =$

$788 - 82 =$

$845 - 105 =$

$540 - 134 =$

$17 - 237 =$

$58 - 237 =$

$902 - 667 =$

$423 - 314 =$

$611 - 189 =$

$849 - 583 =$

$631 - 283 =$



7 4 5 4 4 2 5 2 2 1

3

$351 + 231 + 365 =$

$410 + 219 + 183 =$

$150 + 399 + 197 =$

$300 + 282 + 403 =$

$129 + 390 + 456 =$

$300 + 160 + 203 =$

$371 + 187 + 154 =$

$424 + 370 + 144 =$



2 2 3 3 2 1 5 2 4

# MULTIPLICATION WITHIN 1000

1

$36 * 7 =$

$52 * 5 =$

$82 * 5 =$

$88 * 6 =$

$34 * 6 =$

$67 * 8 =$

$86 * 7 =$

$69 * 9 =$

$97 * 8 =$

$33 * 7 =$

$34 * 8 =$

$31 * 9 =$



0 1 2 3 4 5 6 7 8 9



4 3 1 1 2 2 3 5 4 1 1



2

$286 * 3 =$

$103 * 4 =$

$32 \text{🔔} * 3 =$

$275 * 3 =$

$291 * 3 =$

$323 * 3 =$

$3 \text{🐢} * 3 =$

$3 \text{☀️} * 3 =$

$135 * 5 =$

$130 * 5 =$

$186 * 4 =$

$121 * 5 =$



0 1 2 3 4 5 6 7 8 9



2 1 2 2 4 6 4 4 5 6



3

$* 3 = 75 \text{☔}$

$* 5 = 795$

$158 * = 474$

$* 3 = 654$

$* 3 = 9 \text{🚗} 6$

$147 * = 73 \text{🐵}$

$* 3 = 822$

$* 3 = 969$

$* 3 = 522$

$309 * = 927$

$* 5 = 775$

$* 3 = 909$



0 1 2 3 4 5 6 7 8 9



1 4 7 7 2 5 2 1 1



OVERCOMING CHALLENGES! YOU ARE DOING GREAT! 🧙

63

# DIVISION WITHIN 1000

1

$616 \div 7 =$

$747 \div 9 =$

$459 \div 9 =$

$768 \div 8 =$

$237 \div 3 =$

$204 \div 4 =$

$340 \div 5 =$

$511 \div 7 =$

$435 \div 5 =$

$410 \div 5 =$

$855 \div 9 =$

$200 \div 8 =$



0	1	2	3	4	5	6	7	8	9

2 2 2 4 2 3 6 3

2

$515 \div 5 =$

$768 \div 6 =$

$606 \div 6 =$

$789 \div 3 =$

$819 \div 7 =$

$76 \text{ butterfly} \div 6 =$

$904 \div 4 =$

$747 \div 3 =$

$3 \text{ strawberry} 2 \div 3 =$

$561 \div 3 =$

$740 \div 5 =$

$969 \div \text{sun} =$



0	1	2	3	4	5	6	7	8	9

2 1 1 7 4 3 2 3 3 1

3

$960 \div \text{sun} = 192$

$16 = \text{clock} 27$

$917 \div \text{sun} = 131$

$14 = 166$

$13 = 104$

$525 \div \text{sun} = 175$

$635 \div \text{sun} = 127$

$768 \div \text{sun} = 128$

$15 = 135$

$5 \text{ monkey} 5 \div \text{sun} = 107$

$315 \div \text{sun} = 105$

$1 \text{ panda} = 128$



0	1	2	3	4	5	6	7	8	9

1 2 3 1 4 6 3 1 1

# SIMPLE ORDER OF OPERATIONS

1

$54 - 6 * 3 =$

$15 + 78 / 3 =$

$8 * 5 - 4 =$

$8 * 4 - 4 =$

$45 / 3 + 47 =$

$8 * 5 - 2 =$

$8 + 37 * 2 =$

$4 * 4 - 2 =$

$27 - 2 / 2 =$

$6 / 3 + 39 =$

$76 / 2 + 6 =$

$12 - 7 / 7 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



5 4 3 5 4 3

2

$6 * \text{butterfly} - 7 * 8 =$

$32 / 8 + 41 =$

$86 - 3 * \text{boot} / 7 =$

$20 / 5 + 16 =$

$63 / 7 + 29 =$

$37 - 2 * 5 =$

$12 + 19 * 2 =$

$77 / 7 + 59 =$

$\text{bell} + 21 / 7 =$

$54 / 6 + 43 =$

$44 / 4 + 69 =$

$56 / 2 + 36 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



5 1 3 1 2 4 1 2 4

3

$66 / \text{panda} + 29 =$

$90 / 6 + 29 =$

$65 - 22 / 2 =$

$35 - 8 / 8 =$

$83 - 18 * 4 =$

$2 * 6 - 4 =$

$87 + \text{diamond} / 2 =$

$\text{mushroom} * 5 - 26 * 2 =$

$40 / 4 + 23 =$

$5 * 9 - 1 =$

$35 - 14 * 2 =$

$44 + 26 / 2 =$



0	1	2	3	4	5	6	7	8	9
---	---	---	---	---	---	---	---	---	---



3 1 4 5 3 2 1 1

NEARLY AT THE FINISH LINE! STAY FOCUSED AND EXCITED! 🐱

65

# ORDER OF OPERATIONS WITH PARENTHESES

1

$4 * (15 - 4) =$

$(4 + 11) * 2 =$

$3 * (14 + 19) =$

$(4 + 12) / 4 =$

$99 / (3 + 8) =$

$(8 + 14) / 2 =$

$(12 + 15) * 2 =$

$6 / (2 + 4) =$

$(2 + 20) * 4 =$

$(18 + 12) / 6 =$

$(5 - 4) * 4 =$

$(9 - 7) * 7 =$



0	1	2	3	4	5	6	7	8	9

1 4 1 6 2 2 3

2

$(7 - 1) * 0 =$

$(20 + 20) / 5 =$

$39 / (3 + 36) =$

$(3 + 18) / 3 =$

$(5 + 2) / 7 =$

$7 * (1 + 2) =$

$7 * (11 - 5) =$

$6 * (20 - 9) =$

$2 * (17 + 5) =$

$70 / (10 + 25) =$

$(8 + 1) * 4 =$

$77 / (2 + 10) =$



0	1	2	3	4	5	6	7	8	9

1 3 3 3 2 2 3

3

$(2 + 1) * (18 + 5) =$

$8 * 6 - 7 * 7 =$

$22 / (42 / (7 * 3)) =$

$4 * (6 - 2) * 5 =$

$6 * 2 + 12 * 6 =$

$6 * (2 - 1) * 4 =$

$2 * 2 - 1 * 2 =$

$5 * 7 - 2 * 6 =$



0	1	2	3	4	5	6	7	8	9

2 2 4 1 1 1 1 2

## DRAWING QUEST 4



58: 1→ 1↑ ☆→ 1↑

59: ✂→ 1↓ 1→ 8↓

60: 🍷→ 1↓ 1→ 1↓

61: 1→ ☂↓ 1→ 1↓

62: 1→ 1↓ 🐱→ 1↓

63: 🍓← 1↑ 1← 1↑

64: 2← 2↓ 💎← 2↑

65: 🌻← 2↓ 2← 8↑

66: 🍒↑ 3↑ 3← 1↑



GREAT JOB! YOU HAVE DECODED THE PICTURE PERFECTLY! ✨

67

## IF CHALLENGES FELT TRICKY



Inside the Castle of Challenges, some tasks felt hard. Still, you gave it your best effort. Wondergate joins Magister Goldbeard.

“This young wizard showed true perseverance,” Wondergate says with admiration.

Goldbeard smiles and raises his golden staff. “That kind of courage belongs in my castle. My Castle of Challenges workbook is full of new adventures ready to be discovered.”

Wondergate’s eyes sparkle. “When you’re ready, this grand castle will open its gates for you with trials worthy of a true master.”

8wonders®  
**Mathepotamia**  
*A wonderland where math wizards are born!*

4

Workbook 4  
**The Castle of Challenges**  
by Felix Sternberg

2400+ tasks

9+

Magical Adventures in Life Skills Development  
**Advanced Arithmetic up to 1000**  
**Order of Operations**  
Self-Checking Workbook for Independent Learning!

## IF YOU SUCCEEDED

[X] MISSION 1: THE ACADEMY OF NUMBERS

[X] MISSION 2: THE FOREST OF FIGURES

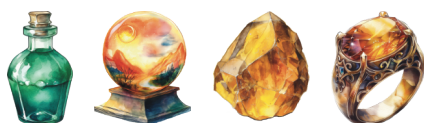
[X] MISSION 3: THE CAVERN OF CALCULATIONS

[X] MISSION 4: THE CASTLE OF CHALLENGES



As you finish the final task, the castle fills with magical light and music. A glowing ring rises before the throne.

"Phenomenal! You have earned the Mystical Ring of Ultimate Mastery," proclaims Magister Goldbeard.



## A MESSAGE FROM WONDERGATE



### **Congratulations, Explorer of Mathepotamia!**

You have earned the title of *Explorer of Mathepotamia!* You showed great courage on your journey, whether the tasks felt easy or tricky.

You now receive your *Certificate of Mathematical Exploration*. It celebrates your bravery, your effort, and the magical things you discovered.

### **Your Adventure Continues**

This Questbook is only the beginning. If you enjoyed these missions, the full Mathepotamia workbooks are waiting for you. Each one is filled with new adventures, magical guides, and special treasures. Step by step, you can grow from Explorer to Master of Digits, Guardian of Numbers, Conqueror of Calculations, and finally Grand Wizard of Numbers!

### **The Powers You Gained**

On this journey, you didn't just practice math. You also became braver, more focused, and better at solving problems. These are the same powers that will help you in school, in life, and in the great *Mathepotamia Board Game*.

Keep exploring, keep learning, and always believe in your magic. Numbers will always open new doors for you, Explorer of Mathepotamia.

*Warmest magical regards,  
Wondergate, the Guardian Cat of Mathepotamia*



# CERTIFICATE OF MATHEMATICAL EXPLORATION

This Certificate Is Proudly Awarded To:



For bravely stepping through The Gateway of Wonders in **Mathepotamia**,  
and showing courage in exploring the world of numbers.  
Your journey has earned you the honored title of Explorer of Mathepotamia.  
Display this certificate proudly as a symbol of your magical discoveries.



Wondergate

WONDERGATE  
THE GUARDIAN CAT  
Mathepotamia



DATE AWARDED



## CONTINUE THE ADVENTURE



### Bring the Magic to Your Table

The Mathepotamia board game turns arithmetic practice into engaging play. With flash cards, dice, and a double-sided board, children strengthen their math fluency while enjoying different ways to play together or alone.

#### What Makes It Special:

- ◆ **4 structured levels:** from addition within 20 up to full operations within 1000.
- ◆ **220 double-sided flash cards** with 440 math tasks (addition, subtraction, multiplication, division).
- ◆ **Double-sided board:** one side for addition/subtraction, the other a multiplication table up to  $12 \times 12$ .
- ◆ **7 gameplays:** from Classical Mode to speed challenges and team play — each adds variety and focus.
- ◆ **Educational Mode:** use the board as a visual tool to explore arithmetic step by step.
- ◆ **Flash Card Mode:** quick practice anytime, anywhere.

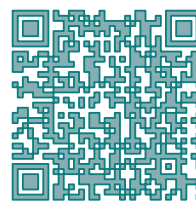
#### Skills trained across gameplays

- ◆ Arithmetic fluency (addition, subtraction, multiplication, division)
- ◆ Mental calculation speed
- ◆ Flexible problem-solving under time or random conditions
- ◆ Cooperation and fair play in group/team modes

The Mathepotamia board game provides a structured learning path that adapts to each child's pace. Simple rules, progressive levels, and varied gameplays make practice frustration-free and motivating.

Scan the QR code below or visit:

[www.mathepotamia.com/board-game](http://www.mathepotamia.com/board-game)



# CONTINUE THE ADVENTURE

## Mathepotamia Workbooks

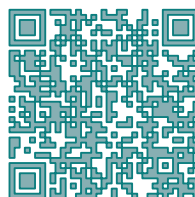
Your child's journey through math can go even further.

Mathepotamia offers four story-driven workbooks that build confidence step by step, from first numbers to advanced arithmetic up to 1000:



Each workbook includes story-driven missions, self-checking challenges, and unique collectibles that make practice feel like play. Along the way, children strengthen focus, independence, and real-world problem-solving skills — while enjoying an adventure they can complete at their own pace.

Available in paperback and digital editions. Discover the complete series — scan the code or visit: [www.mathepotamia.com/workbooks](http://www.mathepotamia.com/workbooks)



## Join the Mathepotamia Heroes Club!

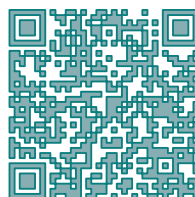
***Are you still waiting for that moment when math finally “clicks” for your child?***

Whether it's a spark, a breakthrough, or just a small step forward — your story matters.

Sharing your story helps you see how far you've come and shows other families they are not alone. In the Heroes Club, parents and educators inspire each other, exchange ideas, and celebrate progress together. Members are also welcome to discuss specific challenges, such as math anxiety or dyscalculia, in a safe and supportive space.

As a member, you'll also have the chance to join our exclusive affiliate program — so you can share Mathepotamia with others and earn rewards while making a difference in children's lives.

Scan the QR code below or visit: [www.mathepotamia.com/heroes](http://www.mathepotamia.com/heroes)



# 8wonders® Mathepotamia®

## Questbook: The Gateway of Wonders

- Recommended for ages 6–9+
- Covers arithmetic from numbers up to 20 through operations within 1000
- Introduces multiplication, division, and order of operations
- Engaging self-checking math quests with progress tracking
- Includes drawing quests and rewards to keep learning fun
- Certificate of achievement to celebrate success

### Why This Workbook Is Unique

- **Promotes Independent Learning:** The unique self-checking method allows children to verify their own answers without revealing them. This fosters autonomy and confidence while saving guardians' time.
- **Develops Critical Life Skills:** Tasks highlight how children approach problem-solving, critical thinking, and independent work. This gives guardians valuable insight into their child's learning style and readiness for future academic success.
- **Flexible Learning Path:** Children move through the missions at their own pace with visual progress tracking, helping guardians identify both strengths and areas for support, while accommodating different learning styles.
- **Gamification:** The workbook is divided into 4 missions, each with 9 task quests and 1 drawing quest. Children earn collectibles upon completing each mission, making learning fun and motivating.
- **Magical Theme:** The enchanting world of Mathepotamia keeps children engaged and motivated, turning math into an exciting adventure.
- **Goal Orientation:** Encourages setting and achieving short-term and long-term goals, fostering a growth mindset and perseverance.
- **Aligned with Educational Standards:** Content is structured to reflect key arithmetic milestones — from addition and subtraction within 20 up to operations within 1000 and order of operations — ensuring the results are relevant to school expectations.
- **Makes Learning Math Fun and Engaging:** Transforms math education into an enjoyable adventure, combining interactive tasks, captivating themes, and rewarding challenges.

**Dear Parents and Guardians,**  
by choosing this Questbook, you are giving your child a playful way to explore math while you gain valuable insight into their learning style and current level. Each mission shows not only what they can solve, but also how they approach challenges, check their work, and stay focused. Along the way, your child strengthens independence, problem-solving, and confidence — skills that matter both in school and in life.

