

3

Mississippi

MAAP

GRADE 3

MATH

PRACTICE TESTS

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Standards-Aligned
Practice for Stronger
Math Skills and
Test Readiness



Build Confidence
with Targeted Practice

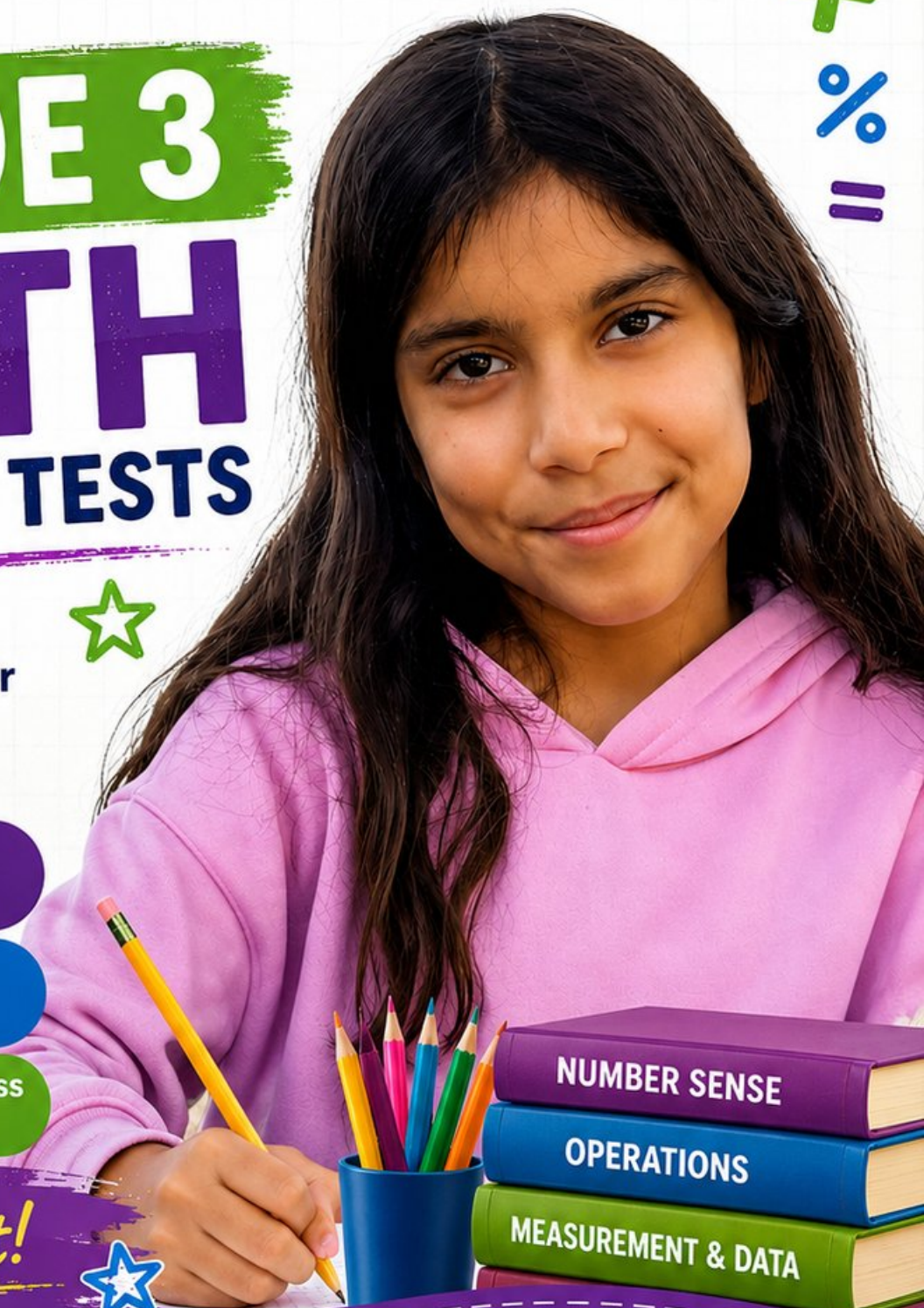


Strengthen Skills
in Key Math Concepts



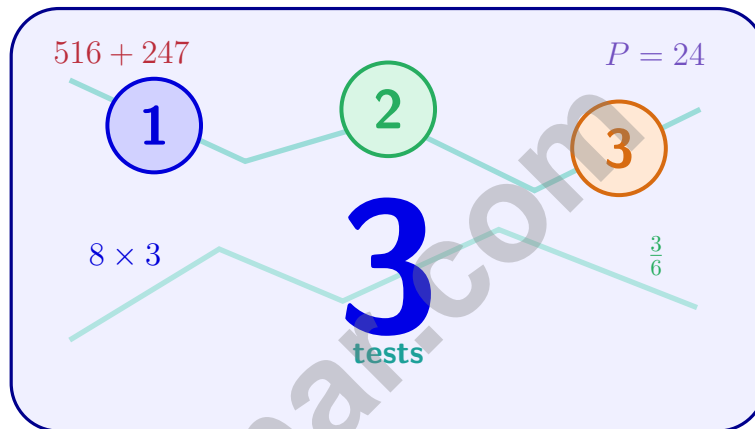
Improve Test Readiness
with Realistic Practice

Be Ready.
Do Your Best!



3 Mississippi MAAP Grade 3 Math Practice Tests

Standards-Aligned Practice for Stronger Math Skills and Test Readiness



Three 30-question trail tests packed with Grade 3 review, Mississippi MAAP strategy tips, answer keys, and step-by-step explanations that turn every miss into the next move.

Jay Daie and Reza Nazari



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Welcome to the Mississippi Math Trail

Three tests, one trail, and a stronger Grade 3 thinker at the end



To the Grade 3 Trail Scout

This book is your practice trail for the Mississippi MAAP. You will multiply and divide, read graphs, work with fractions, measure time, find area, and explain your thinking – one trail marker at a time.

Some problems will feel quick, like a clear stretch of wide open trail. Some will ask you to slow down, draw, count, or try again. That slow part is where strong math grows. Every page gives your brain another chance to spot, choose, and build.

Spot

Read carefully and find what the problem is really asking.

Sketch

Use numbers, arrays, number lines, or labels to make your thinking visible.

Signal

Check that your answer makes sense before you wave the next question on.

Trail promise: I will read like a tracker, sketch like a planner, and check like a careful scout. I do not have to be perfect to keep moving forward.

How to Use This Book

A four-step trail plan that turns practice into progress

Step 1: Pack Your Pack

Read the Quick Review first.
Wake up the Grade 3 ideas you will need before you set foot on the trail.

Step 2: Hit the Trail

Take one full test.
Thirty questions. Pencil sharp, work shown, calm pace – one marker at a time.

Step 3: Campfire Check

Check answers honestly.
Circle missed questions. Star any problem that felt confusing – those are tomorrow’s clues.

Step 4: Track Back

Fix a few mistakes.
Read the explanation, rework the problem, and carry that lesson up the next stretch of trail.

A Three-Week Trail Plan

Week 1	Hike Test 1. Map what feels strong and what needs a second look.
Week 2	Hike Test 2. Sharpen the habits: read slow, sketch the model, label every number.
Week 3	Hike Test 3. Bring everything – facts, models, checks, and calm focus.

Best trail habit: Do not only ask, “What did I score?” Ask, “What did I learn how to do better?”



Test Overview

What waits on the trail and what each practice test builds

Each practice test has 30 questions. Together they walk you through the kind of math thinking the Mississippi MAAP asks Grade 3 students to use: read carefully, choose a strategy, show work, and check whether an answer makes sense.

Selected-Response Questions

Pick the best answer from the choices. Strong scouts estimate first, cross out answers that cannot be right, and reread the question before circling.

Open-Ended Questions

Write the answer and show the thinking. A clear response uses neat numbers, helpful labels, and a short model or explanation.

Grade 3 Ideas You Will Meet on the Trail

- multiplication, division, arrays, equal groups, and fact fluency
- rounding, adding, subtracting, and multiplying by multiples of 10
- fractions, number lines, equivalent fractions, and comparing fractions
- time, mass, liquid volume, picture graphs, bar graphs, and line plots
- area, perimeter, unit squares, rectangles, and shapes
- two-step word problems and explaining a solution path

What strong MAAP work looks like: the scout reads the whole problem, picks a sensible strategy, writes numbers neatly, labels the answer, and checks that the answer truly fits the question.



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1) What is $45 \div 5$?

A. 8

C. 10

B. 11

D. 9

2) What fraction is the third tick on a number line split into 4 equal parts?

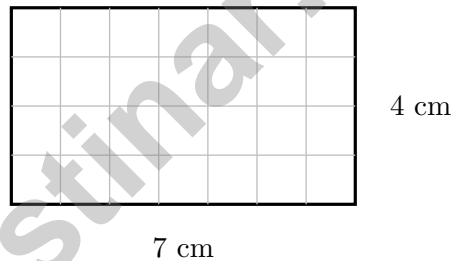
3) A soup recipe needs 1 liter of broth. Lily already poured 750 mL. How much more does she need in milliliters?

A. 100 mL

C. 250 mL

B. 150 mL

D. 500 mL



4)

Count the grid squares to find the area.

A. 11 sq cm

C. 28 sq cm

B. 22 sq cm

D. 35 sq cm

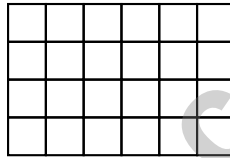
9) A picture graph shows flowers. Each flower symbol is 3 flowers. Pile 1 has 4 symbols, Pile 2 has 5 symbols. What is the total number of flowers?

- A. 9 C. 15
 B. 12 D. 27

10) A 8×5 rectangle is tiled into two smaller rectangles by a horizontal line. If one rectangle is 8×3 , what is the area of the other?

- A. 16 C. 40
 B. 24 D. 14

11) Count the unit squares in this rectangle. Write how many unit squares cover the shape.



12) Which list does NOT follow a skip-counting pattern that adds the same amount each time?

- A. 5, 10, 15, 20, 25 C. 2, 4, 6, 8, 10
 B. 3, 6, 9, 12, 15 D. 1, 2, 4, 7, 11



1) Pedro thinks of a multiplication fact to solve $54 \div 9$. Which multiplication fact helps him most?

A. $9 \times 6 = 54$

C. $9 \times 9 = 81$

B. $9 \times 8 = 72$

D. $8 \times 6 = 48$

2) What number makes this equation true?

$$\square \div 5 = 7$$

3) Mia writes this list of odd numbers: 1, 3, 5, 7, 9

What is the next odd number in the pattern?

A. 10

C. 12

B. 13

D. 11

4) A bar graph shows toy cars. The scale shows 10 cars per unit. Eli's bar is 2 units tall. How many cars does Eli have?

A. 12

C. 30

B. 20

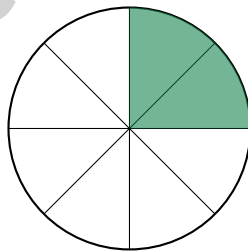
D. 40

5) Write a fraction equivalent to $\frac{3}{6}$.



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- 6) Lily has $\frac{3}{8}$ of a chocolate bar. Noah has $\frac{3}{4}$ of the same size chocolate bar. Who has more?
- A. Lily ($8 > 4$)
 B. Noah ($\frac{3}{4}$ is larger)
- C. They have the same amount
 D. Cannot tell without the bar's size
- 7) You need to multiply 4×70 . Which shows a strategy you could use?
- A. $4 + 7 + 10 = 21$
 B. $(4 \times 7) \times 10 = 28 \times 10 = 280$
- C. $4 + 70 = 74$
 D. $(4 + 7) \times 10 = 110$
- 8) Mia makes 28 cookies and puts 4 cookies on each plate. How many plates does she use?
- A. 7
 B. 8
- C. 32
 D. 24
- 9) A rectangle can be divided into unit squares arranged in 8 rows. If each row has 5 unit squares, what is the total area?
- A. 13 sq units
 B. 40 sq units
- C. 80 sq units
 D. 64 sq units
- 10) A pizza is cut into 8 equal slices. Noah eats 2 slices. What fraction of the pizza does Noah eat?



- A. $\frac{1}{8}$
 B. $\frac{2}{8}$
- C. $\frac{3}{8}$
 D. $\frac{6}{8}$



1) What number makes the equation true?

$$\square \div 2 = 9$$

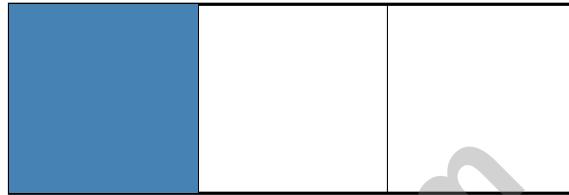
A. 19

C. 17

B. 16

D. 18

2) Look at the rectangle with 3 equal parts. One part is shaded blue.



What fraction is shaded?

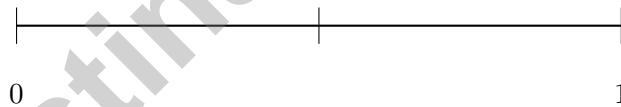
A. $\frac{1}{2}$

C. $\frac{2}{3}$

B. $\frac{1}{3}$

D. $\frac{3}{1}$

3) This is a number line from 0 to 1 divided into equal parts. How many parts do you see?



A. 1 part

C. 3 parts

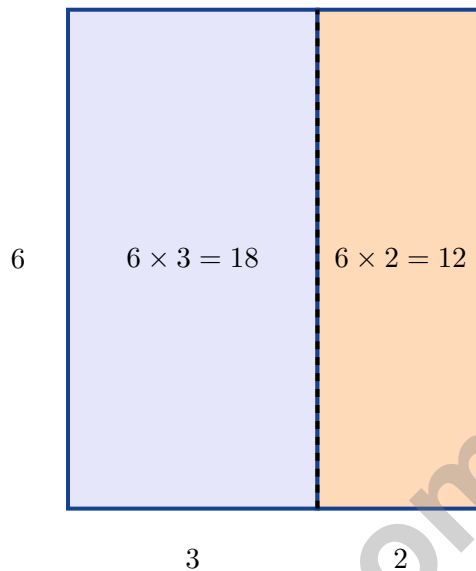
B. 2 parts

D. 4 parts



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4) Look at this area model for $6 \times (3 + 2)$.



This shows that $6 \times (3 + 2)$ equals:

- A. $18 + 2 = 20$ C. $6 + 3 + 2 = 11$
 B. 6×4 D. $18 + 12 = 30$
- 5) Which missing divisor makes this division sentence true?

$$18 \div _ = 3$$

- A. 5 C. 21
 B. 15 D. 6
- 6) Ravi has 4 bags with 5 toys each and loses 8 toys. How many toys are left?



Practice Test Answer Keys

How to use this section with a Grade 3 student:

1. check the answer first
2. mark questions to try again
3. rework the problem before reading the full explanation

A calm correction routine builds stronger math habits.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice D is correct.** **(3.OA.7)** $45 \div 5 = 9$ because $9 \times 5 = 45$. Count by fives: 5, 10, 15, 20, 25, 30, 35, 40, 45.
- 2) **The correct answer is $\frac{3}{4}$.** **(3.NF.2)** The third tick out of 4 equal parts is $\frac{3}{4}$.
- 3) **Choice C is correct.** **(3.MD.2)** 1 L = 1000 mL. Subtract: $1000 - 750 = 250$ mL.
- 4) **Choice C is correct.** **(3.MD.7)** The grid has 7 columns and 4 rows. Area = $7 \times 4 = 28$ square cm. You can also add: $7 + 7 + 7 + 7 = 28$ (four rows of seven).
- 5) **Choice C is correct.** **(3.MD.4)** Range = maximum - minimum = $10 - 8 = 2$ ounces.
- 6) **Choice D is correct.** **(3.OA.5)** $4 \times 6 = 24$ and $4 \times 3 = 12$, so $24 + 12 = 36$. The distributive property shows $4 \times (6 + 3) = 4 \times 6 + 4 \times 3 = 36$.
- 7) **Choice C is correct.** **(3.NBT.1)** The ones digit is 7. Since $7 \geq 5$, round up: 147 rounds to 150.
- 8) **Choice D is correct.** **(3.NBT.2)** Add to find the missing minuend: $256 + 187 = 443$. Check: $443 - 187 = 256$.
- 9) **Choice D is correct.** **(3.MD.3)** Pile 1: $4 \times 3 = 12$. Pile 2: $5 \times 3 = 15$. Total: $12 + 15 = 27$.
- 10) **Choice A is correct.** **(3.MD.7c)** Total is $8 \times 5 = 40$. One part is $8 \times 3 = 24$. Other part is $40 - 24 = 16$, which is 8×2 .
- 11) **The correct answer is 24 unit squares.** **(3.MD.5b)** Count the rows: 4 rows. Count across: 6 unit squares per row. Total: $6 + 6 + 6 + 6 = 24$ unit squares cover the rectangle.
- 12) **Choice D is correct.** **(3.OA.9)** List B increases by 1, then 2, then 3, then 4 (no constant rule). The others are skip-count patterns.
- 13) **Choice B is correct.** **(3.MD.7b)** Area = length \times width = $4 \times 2 = 8$ square centimeters. Choice A (6) is the sum; C (4) is one dimension; D (12) is 4×3 .
- 14) **Choice C is correct.** **(3.NBT.3)** 2 rows of 50 squares = $2 \times 50 = 100$ squares. Multiply $2 \times 5 = 10$, then multiply by 10 to get 100.
- 15) **Choice C is correct.** **(3.NF.3a)** $\frac{2}{8} = \frac{1}{4}$ because both equal one-quarter of the sheet.
- 16) **Choices A and C are correct.** **(3.G.1)** Both squares and rectangles are defined by having exactly 4 right angles. Rhombuses do not require right angles (only equal sides). Trapezoids and general parallelograms do not need right angles.
- 17) **Choice A is correct.** **(3.NF.1)** The rectangle is divided into 4 equal parts, and 1 part is shaded. The fraction is $\frac{1}{4}$ (one-fourth). The numerator is 1 and the denominator is 4.
- 18) **Choice C is correct.** **(3.MD.7a)** Tall rectangle: $3 \times 8 = 24$ square units. D is concatenation error.
- 19) **Choice D is correct.** **(3.OA.1)** 9 cartons with 7 eggs each means 9 groups of 7. So $9 \times 7 = 63$ eggs.
- 20) **Choice D is correct.** **(3.MD.5)** This is a square: $6 \times 6 = 36$ square centimeters.
- 21) **Choice B is correct.** **(3.G.2)** Four shaded parts out of six equal parts is $\frac{4}{6}$.
- 22) **Choice C is correct.** **(3.MD.5a)** A unit square with side 1 m has area $1 \text{ m} \times 1 \text{ m} = 1 \text{ m}^2 = 1$ square meter.
- 23) **Choice B is correct.** **(3.NF.3)** $\frac{4}{6}$ and $\frac{2}{3}$ both equal two-thirds of a whole.
- 24) **Choice A is correct.** **(3.MD.1)** From 7 : 05 to 8 : 05 is 60 minutes. $95 - 60 = 35$ more minutes. $8 : 05 + 35 \text{ min} = 8 : 40$ PM.
- 25) **Choice A is correct.** **(3.NF.2b)** The 6th fourth is $\frac{6}{4}$, which is $1\frac{2}{4} = 1\frac{1}{2}$.
- 26) **The correct answer is 4.** **(3.NF.3b)** The numerator doubles from 2 to 4.
- 27) **Choice A is correct.** **(3.MD.7d)** Part 1: $4 \times 3 = 12$ sq units. Part 2: $6 \times 2 = 12$ sq units. Total: $12 + 12 = 24$ sq units.
- 28) **Choice B is correct.** **(3.MD.6)** 8 rows \times 6 tiles per row = 48 square inches.
- 29) **Choice B is correct.** **(3.MD.8)** $P = 2(6) + 2(3) = 12 + 6 = 18$ units.
- 30) **Choice B is correct.** **(3.NF.2a)** Splitting from 0 to 1 into three equal parts gives $\frac{1}{3}$ for each.

Practice Test 2 Answers and Explanations



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Hi, Hero!

◇ Once there was a Grade 3 student who took 3 practice tests. At first, the math was tricky. But this student kept showing up, kept trying, and kept learning. By the end, the student became a math hero. That hero is you! ◇

★ **Storytellers know:** every story has a hard middle. The hard middle is where heroes grow. You lived your hard middle. Your story ends with confidence! ★

Your Hero Toolkit

- **Brave Heart:** You try hard problems.
- **Sharp Mind:** You think carefully before you act.
- **Steady Hand:** You write neatly and check.
- **Kind Spirit:** You are patient with yourself.

Storyteller tip: on test day, remember the hero you became. The chapters before today made you stronger. Now write your best chapter!

If you want to share something or ask a question, please email me at jay@testinar.com.

Jay Daie

Your Math Storyteller

3 GRADE 3 MATH PRACTICE TESTS

Practice Today. *Succeed* Tomorrow!



Give your child the tools to build strong math skills and test confidence!

This book includes 3 full-length Grade 3 Math practice tests that mirror real test formats and cover all key math standards. With a wide range of question types and real-world problems, students will gain the practice and confidence they need to do their best!

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Questions designed to cover essential Grade 3 math standards.



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PRACTICE. PREPARE. SUCCEED.