

# 10 COMPLETE

## Mississippi

### MAAP

#### GRADE 5

# MATH

## PRACTICE TESTS

Standards-Based Review with  
Mixed Practice and Detailed Answer Key



#### 10 Complete Practice Tests

Build confidence and test readiness



#### Standards-Based Review

Covers key Grade 5 math standards



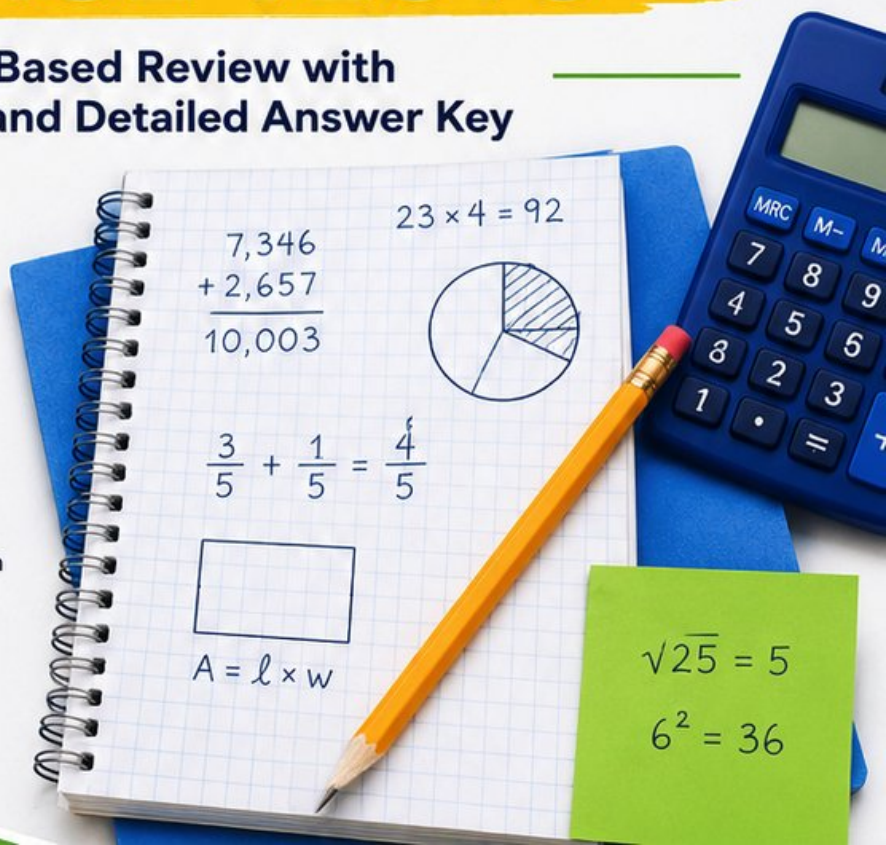
#### Mixed Practice

Variety of question types to strengthen skills



#### Detailed Answer Key

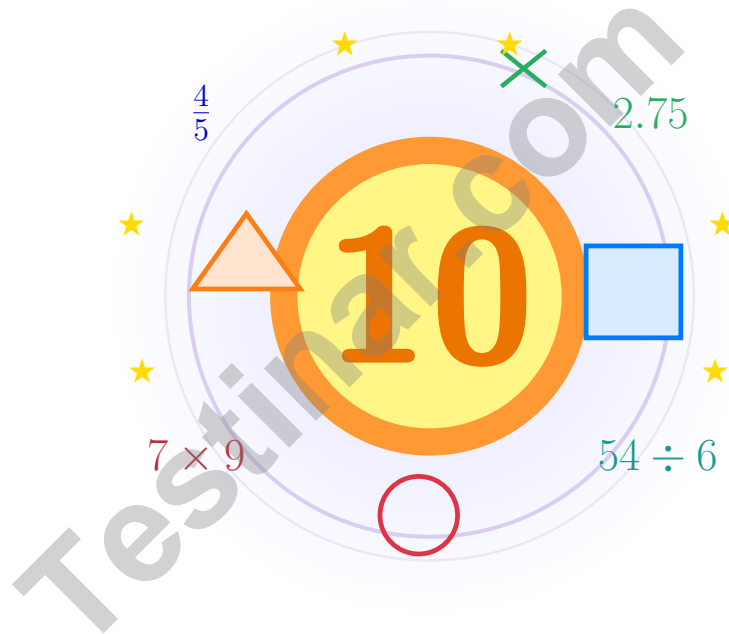
Step-by-step explanations for every question



**PREPARE.  
PRACTICE.  
SUCCEED!**

# 10 Mississippi MAAP Grade 5 Math Practice Tests

*Bright review, thoughtful practice, and steady confidence for Grade 5*



Ten full tests, a focused quick review, and student-friendly support that keeps practice clear and encouraging.

**Jay Daie and Reza Nazari**



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# Welcome!

This book is a place to practice bravely and think clearly

## Dear Grade 5 Mathematician

This book gives you ten chances to read carefully, solve thoughtfully, and build steady math confidence. Some problems will feel friendly right away. Some will take more patience. Both kinds help you grow.

The goal is not to feel perfect before you begin. The goal is to practice honest effort, learn from corrections, and notice how much stronger your thinking becomes over time.

### Read

Slow down and understand the task.

### Solve

Show clear steps and good choices.

### Learn

Use mistakes as clues for what comes next.

**A strong habit from the start:** keep your work neat, estimate when it helps, write units carefully, and do not let one hard problem decide your mood for the whole page.



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# How to Use This Book

A simple routine that turns practice into real progress

## Step 1

**Warm up with the quick review.**

Spend a few minutes refreshing the ideas before the test begins.

## Step 2

**Take one full practice test.**

Work in a calm spot and aim for careful thinking before speed.

## Step 3

**Check your work honestly.**

Circle missed questions and notice which skills need another look.

## Step 4

**Fix and reflect.**

Read the explanation, repair the work, and bring that lesson into the next test.



**A Good 10-Week Rhythm**

<b>Week 1</b>	Take Test 1 and notice your starting strengths.
<b>Week 2</b>	Take Test 2 and slow down on word problems.
<b>Week 3</b>	Take Test 3 and sharpen multiplication and division checks.
<b>Week 4</b>	Take Test 4 and focus on fractions and decimals.
<b>Week 5</b>	Take Test 5 and watch your labels and units closely.
<b>Week 6</b>	Take Test 6 and practice calmer pacing.
<b>Week 7</b>	Take Test 7 and compare your habits with the earlier weeks.
<b>Week 8</b>	Take Test 8 and focus on tidy, checkable work.
<b>Week 9</b>	Take Test 9 and compare your progress with the way you worked in the earlier weeks.
<b>Week 10</b>	Take Test 10 and finish with steady, confident effort while using every strong habit you built.



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## Grade 5 Mathematics Reference Materials

### PERIMETER AND AREA

Perimeter of Rectangle  $P = 2l + 2w$  or  $P = 2(l + w)$

Area of Rectangle  $A = l \times w$

Area of Triangle  $A = \frac{1}{2} \times b \times h$

Volume of Rectangular Prism  $V = l \times w \times h$

### LENGTH

#### Customary

1 foot (ft) = 12 inches (in.)

1 yard (yd) = 3 feet (ft)

1 yard (yd) = 36 inches (in.)

#### Metric

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

1 kilometer (km) = 1,000 meters (m)

### CAPACITY

#### Customary

1 cup (c) = 8 fluid ounces (fl oz)

1 pint (pt) = 2 cups (c)

1 quart (qt) = 2 pints (pt)

1 gallon (gal) = 4 quarts (qt)

#### Metric

1 liter (L) = 1,000 milliliters (mL)

### WEIGHT AND MASS

#### Customary

1 pound (lb) = 16 ounces (oz)

#### Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

### TIME

1 minute (min) = 60 seconds (sec)    1 week = 7 days

1 hour (hr) = 60 minutes (min)    1 year = 12 months

1 day = 24 hours (hr)    1 year = 52 weeks



1)  $15.04 \div 10 = ?$

A. 0.1504

B. 1504

C. 150.4

D. 1.504

2) Pattern: the output is the input plus the same input again. Which statement is true?

 A. The output is double the input. B. The output is the input times itself. C. The output is half of the input. D. The output is 1 more than the input.

3) Add three fractions:  $\frac{1}{2} + \frac{1}{3} + \frac{1}{6}$

A.  $\frac{3}{11}$

B. 1 whole

C.  $\frac{5}{6}$

D.  $\frac{3}{6}$

4) A pan has 16 equal brownie pieces. Malik eats  $\frac{3}{8}$  of the pan. How many brownie pieces does Malik eat? A. 4 pieces B. 5 pieces C. 6 pieces D. 8 pieces

5) Which expression represents “4 times the sum of 8 and 3, then subtract 2 times 6”?

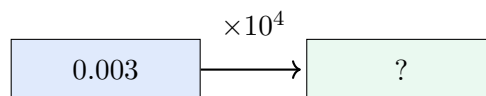
A.  $4 \times 8 + 3 - 2 \times 6$

B.  $4 + (8 + 3) - 2 \times 6$

C.  $4 \times (8 + 3) - 2 \times 6$

D.  $4 \times (8 + 3 - 2) \times 6$

6) What is  $0.003 \times 10^4$ ?



A. 0.3

B. 3

C. 30

D. 300





## Grade 5 Mathematics Reference Materials

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### TIME

1 minute (min) = 60 seconds (sec)    1 week = 7 days

1 hour (hr) = 60 minutes (min)    1 year = 12 months

1 day = 24 hours (hr)    1 year = 52 weeks



1) A shape has all these properties: 4 sides, 2 pairs of parallel sides, and 4 right angles. Must it be a square?

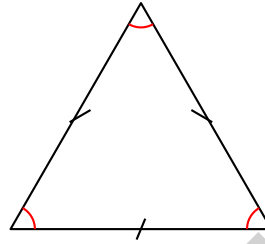
A. Yes, always.

B. No, it could be a rectangle.

C. No, it could be a pentagon.

D. No, it could be a kite.

2) Look at the angle marks and side marks on the triangle. Which type of triangle is shown?



All angles and sides marked the same

A. Scalene

B. Isosceles

C. Equilateral

D. Right

3) Without calculating, compare:  $3 \times 48$    $3 \times 47$

A. >

B. <

C. =

D. Cannot tell

4) Find:  $34 \times 10^3$ .

*Record your answer in the space provided.*



- 40) A fabric worker uses  $3\frac{1}{2}$  yards of cloth for each apron. How much cloth is needed for 5 aprons?

Cloth per Apron	$3\frac{1}{2}$ yards
Number of Aprons	5
Total Cloth	?

- A.  $17\frac{1}{2}$  yards
- B. 15 yards
- C.  $8\frac{1}{2}$  yards
- D.  $7\frac{1}{2}$  yards

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### End of Practice Test

Nice work. Pause, breathe, and check your answers with care.



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Grade 5 Mathematics

10

Questions: 40 Duration: No time limit

Calculator Policy: Calculators are not allowed



## Practice Test Answer Keys

### How to use this section:

1. check your answer
2. circle missed questions
3. rework them before reading the explanation

**Good correction habits build strong scores.**

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## Practice Test Answers and Explanations

### Practice Test 1 Answers and Explanations

- Choice D is correct.** **(5.NBT.2)** Dividing by 10 moves the decimal one place left, so 15.04 becomes 1.504.
- Choice A is correct.** **(5.G.2)** Adding the same input twice is the same as multiplying it by 2. So  $x + x$  can be written as  $2x$ .
- Choice B is correct.** **(5.NF.1)**  $\text{LCM}(2,3,6) = 6$ .  $\frac{1}{2} = \frac{3}{6}$ ,  $\frac{1}{3} = \frac{2}{6}$ ,  $\frac{1}{6} = \frac{1}{6}$ .  $\frac{3}{6} + \frac{2}{6} + \frac{1}{6} = \frac{6}{6} = 1$ .
- Choice C is correct.** **(5.NF.6)**  $\frac{3}{8}$  of 16 is  $\frac{3}{8} \times 16 = 6$ . Malik eats 6 brownie pieces.
- Choice C is correct.** **(5.OA.2)** The phrase “the sum of 8 and 3” means group  $8 + 3$ . Then multiply by 4 and subtract the product  $2 \times 6$ .
- Choice C is correct.** **(5.NBT.2)**  $0.003 \times 10^4 = 0.003 \times 10000 = 30$ . Moving decimal 4 places right gives 30.
- Choice A is correct.** **(5.NBT.7)** Line up decimal points and subtract place by place.  $18.50 - 6.75 = 11.75$  dollars. This confirms the answer.
- Choice B is correct.** **(5.NF.1)** Start at  $5\frac{3}{8}$  and hop back  $2\frac{1}{8}$  to land at  $3\frac{2}{8}$ , which simplifies to  $3\frac{1}{4}$ .
- Choice B is correct.** **(5.NF.5a)**  $10 \times \frac{6}{5} = 12$  units. Since  $\frac{6}{5} > 1$ , the scaled length is larger than 10 units.
- The correct answer is  $3\frac{5}{8}$ .** **(5.NF.1)**  $1 + 2 = 3$ .  $\frac{3}{8} + \frac{2}{8} = \frac{5}{8}$ . Total:  $3\frac{5}{8}$ .
- The correct answer is  $\frac{2}{3}$ .** **(5.NF.2)**  $\frac{4}{5} = \frac{12}{15}$ . Difference:  $\frac{10}{15} = \frac{2}{3}$ .
- Choice A is correct.** **(5.NF.5b)** When using the area model for mixed number multiplication, decompose both factors:  $2\frac{2}{3} = 2 + \frac{2}{3}$  and  $1\frac{1}{2} = 1 + \frac{1}{2}$ . Then multiply each part:  $(2 + \frac{2}{3})(1 + \frac{1}{2})$  gives four partial products.
- Choice C is correct.** **(5.MD.3b)** The base area is 24 square inches and the height is 3 inches, so the prism has 3 layers of 24 cubic inches.  $24 \times 3 = 72$  cubic inches.
- Choice D is correct.** **(5.MD.1)** One gallon has 16 cups.  $14 \times 16 = 224$  cups, and the extra cup makes  $224 + 1 = 225$  cups.
- Choice A is correct.** **(5.NBT.3a)**  $8 + 2 \times \frac{1}{10} + 9 \times \frac{1}{100} = 8 + 0.2 + 0.09 = 8.29$ .
- Choice A is correct.** **(5.MD.5)** Use the rectangular-prism volume formula:  $7 \times 3 \times 3 = 63$ . So the volume is 63 cubic centimeters.
- Choice B is correct.** **(5.NBT.1)** Reading the place-value chart: 3 in ones place, 2 in tenths, 5 in hundredths, 7 in thousandths gives 3.257.
- Choice A is correct.** **(5.MD.4)** Bottom layer:  $5 \times 4 = 20$  cubes. Two layers:  $20 \times 2 = 40$  unit cubes.
- Choices A, B are correct.** **(5.NBT.2)**  $7 \times 10^2 = 700$  and  $23 \times 10^3 = 23,000$ . C should be 50,000, and D should be 600.
- The correct answer is 114 m<sup>3</sup>.** **(5.MD.5c)** The first prism is  $7 \times 3 \times 4 = 84$  cubic meters. The second is  $5 \times 3 \times 2 = 30$  cubic meters. Together they make 114 cubic meters.
- Choice D is correct.** **(5.NBT.5)** Multiply:  $132 \times 24 = 132 \times (20 + 4) = 2,640 + 528 = 3,168$ .
- Choice C is correct.** **(5.OA.1)** Multiply and divide from left to right:  $5 \times 10 = 50$ ,  $50 \div 2 = 25$ , and  $25 + 3 = 28$ .
- Choice A is correct.** **(5.NF.7c)** Use total amount divided by the size of one piece. The equation is  $3 \div \frac{1}{2} = n$ .
- Choice A is correct.** **(5.OA.3)** 24 cookies for 2 batches means 12 cookies per batch, so multiply the number of batches by 12.
- Choice B is correct.** **(5.NBT.7)** Add hundredths and tenths carefully:  $3.87 + 4.92 = 8.79$ .
- The correct answer is 20 pages.** **(5.G.2)** The x-coordinate shows minutes, and the y-coordinate shows pages. So (10, 20) means 10 minutes and 20 pages.
- Choice A is correct.** **(5.NF.2)** LCD of 8 and 12 is 24.  $\frac{7}{8} = \frac{21}{24}$  and  $\frac{5}{12} = \frac{10}{24}$ .
- The correct answer is 36000.** **(5.NBT.2)** Move the decimal point four places right:  $3.6 \rightarrow 36,000$ .
- Choice B is correct.** **(5.G.4)** Triangle B has a small square in the corner, which is the symbol for a right angle (90 degrees). This indicates a right triangle.
- Choice D is correct.** **(5.NF.2)** Both fractions in A are equivalent to  $\frac{1}{2}$ :  $\frac{1}{2} = \frac{2}{4} = \frac{4}{8}$ . The other choices include at least one fraction that is not equivalent to  $\frac{1}{2}$ .



**Champion's Training Log**

---

**Dear Math Champion,**

◇ Look at what you did. 10 full practice tests. Hundreds of math problems. Every one of them strengthened your mind. You walked into this prep series as a learner, and you are walking out as a math athlete who knows how to compete. ◇

★ **What champions know:** talent is helpful, but training is everything. You trained. You showed up. You did the work. That is why your skills are sharp today. ★

**Champion's Skill Card**

- **Focus:** MAXED OUT! You can lock onto a problem and stay there.
- **Speed:** CALIBRATED! You move quickly without rushing.
- **Accuracy:** HIGH! You catch your own mistakes.
- **Mindset:** CHAMPION-LEVEL! You believe in your skills.

**Final champion tip:** on test day, walk in like you have trained for it—because you have. Sit down. Breathe. Read carefully. Work steadily. Check confidently. You will be amazed at how prepared you actually are.

If you want to share a proud moment or ask a question, please email me at [jay@testinar.com](mailto:jay@testinar.com). I'd love to hear from you!

**Jay Daie**

Your Math Coaches (Champion-in-Training)

# PRACTICE TODAY. MASTER TOMORROW.

Give your child the confidence to excel in **Grade 5 Math!**  
This book includes **10 complete practice tests** designed to build strong skills, improve test readiness, and achieve success.



# 10

COMPLETE  
PRACTICE  
TESTS

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- ✓ And More!



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