

# 7 Pennsylvania PSSA Grade 3 Math Practice Tests

*Comprehensive Test Prep with Detailed Answers*

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Published by View Math Education

ViewMath.com

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CHALLENGE SERIES

# 7 Practice Tests to Train Like a Champion!

Welcome, math champion! 🏆

You've got **7 full-length practice tests** ahead of you — that's the kind of serious training that turns good math students into great ones. Athletes train before the big game, and that's exactly what you're doing here!

🏆 Each test sharpens your **skills!**

🏆 Each test builds your **speed!**

🏆 By test 7, you'll be **unstoppable!**

Lace up your math shoes — it's training time! 🏃

“Seven tests is a real commitment, and I'm impressed you're taking it on! By the end, you'll know these topics inside and out.”

# Your Training Plan

How to get the most from 7 practice tests!

## What's in Your Training Kit

- **7 Full-Length Practice Tests** — Enough to build real mastery over every Grade 3 math topic!
- **Complete Answer Key** — Detailed step-by-step explanations for every single question.
- **Reference Pages** — Math symbols chart and multiplication table to use during tests.
- **Champion Tracker** — Record your scores, set goals, and track your improvement.

## 3-Phase Training Plan

### Phase 1: Warm-Up (Tests 1–2)

Take these without a timer. Get comfortable with the format. Review answers carefully. Identify your strong and weak topics.

### Phase 2: Build Speed (Tests 3–5)

Start using a timer. Focus on the topics that tripped you up in Phase 1. Practice showing your work neatly. Compare scores to earlier tests!

### Phase 3: Game Day (Tests 6–7)

Simulate full test conditions: quiet room, timed, no help. These are your final dress rehearsals. You've trained for this!

### Multiple Choice

Choose the **best answer** from A, B, C, or D.

**Champion strategy:** Solve it first without looking at the choices. Then find your answer in the list. This prevents tricky wrong answers from confusing you!

### Short Answer

**Show your work** and write a clear answer.

**Champion strategy:** Write out every step, then re-read the question to make sure you answered what it actually asked — not what you thought it asked!

**“ The Champion’s Review ”**

After every test: **(1)** Check your answers. **(2)** Read every explanation. **(3)** Write down topics to review. **(4)** Study those topics. **(5)** Take the next test. This cycle is what separates good scores from great ones!

 **7 tests, 7 chances to improve.** Champions aren't born — they're built through practice. You're already on your way! 

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# 💡 Champion Strategies 💡

Pro-level tips to help you perform your best!

## 🚩 Your Pre-Test Routine

Champions do the same routine before every game. Here's yours:

1. **Clear your desk.** Only pencils, eraser, scratch paper, and this book.
2. **Take 5 deep breaths.** Slow and steady. Feel your body relax.
3. **Set your goal.** Write it down: "Today I will..." (show my work, stay calm, check every answer).
4. **Start the timer** and go!

## 🔄 The 3-Pass Method

This is how the best test-takers work through a test:

- Pass 1: The Quick Sweep.** Go through every question. Answer the ones you know right away. Put a small dot next to the ones that need more thought.
- Pass 2: The Deep Dive.** Go back to the dotted questions. Read them again carefully. Use scratch paper. Try different strategies.
- Pass 3: The Final Check.** Review all your answers. Did you fill in every blank? Do any answers look weird? Double-check your math.

## 🧩 Crack Word Problems

1. Read the problem. Read it again.
2. Circle the **numbers**.
3. Underline the **question**.
4. Decide: add, subtract, multiply, or divide?
5. Solve. Check: does the answer make sense?

## ⚠️ Top 5 Mistakes

1. Answering too fast without reading
2. Using the wrong operation (+ instead of  $\times$ )
3. Forgetting to regroup (carry/borrow)
4. Misreading a number (36 vs. 63)
5. Leaving questions blank



“ With 7 tests, you can actually see your strategy improving! Pay attention to how you take each test, not just your score. Are you reading more carefully? Showing more work? Staying calmer? Those are champion moves! ”

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# X<sup>1</sup> Math Reference Sheet X<sup>1</sup>

You may use this page during your practice tests!

Symbol	Name	What It Means	
+	Plus (Add)	Put numbers together.	$3 + 5 = 8$
-	Minus (Subtract)	Take away from a number.	$9 - 4 = 5$
×	Times (Multiply)	Add equal groups.	$4 \times 3 = 12$
÷	Divide	Split into equal groups.	$12 \div 3 = 4$
=	Equals	Both sides are the same.	$2 + 3 = 5$
>	Greater Than	The left number is bigger.	$7 > 3$
<	Less Than	The left number is smaller.	$2 < 9$
$\frac{1}{2}$	Fraction Bar	Part of a whole. $\frac{1}{2}$ means 1 out of 2 equal parts	

## Key Math Words

- **Sum** — the answer when you add
- **Difference** — the answer when you subtract
- **Product** — the answer when you multiply
- **Quotient** — the answer when you divide
- **Factor** — a number you multiply
- **Array** — objects in rows and columns
- **Fraction** — a part of a whole
- **Numerator** — the top number in a fraction
- **Denominator** — the bottom number
- **Equation** — a math sentence with =
- **Estimate** — a smart guess, close to the real answer
- **Perimeter** — the distance around a shape
- **Area** — the space inside a shape
- **Rounding** — making a number simpler by going to the nearest ten or hundred

 **Word Problem Clue Words**

- **Add (+):** *in all, total, altogether, combined, sum, both, more*
- **Subtract (–):** *how many more, how many left, fewer, difference, remain*
- **Multiply (×):** *each, every, groups of, times, rows of, per*
- **Divide (÷):** *share equally, split, each group, how many groups, per*

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PRACTICE TEST

1

## Practice Test 1

 30 Questions

### Before You Start

- ✓ *Read each question carefully before choosing your answer.*
- ✓ *Show your work on scratch paper when you need to.*
- ✓ *Skip hard questions and come back to them later.*
- ✓ *Check your answers when you're done.*
- ✓ *Take your time — there's no rush!*

★ *You've Got This!* ★

*Do your best and show what you know!*



1. What is 4,729 written in expanded form?

(A)  $4,000 + 700 + 20 + 9$

(B)  $4,000 + 72 + 9$

(C)  $4 + 7 + 2 + 9$

(D)  $400 + 70 + 29$

2. Which number is less than 607?

(A) 670

(B) 706

(C) 609

(D) 598

3. What is 73 rounded to the nearest 10?

(A) 70

(B) 75

(C) 80

(D) 100

4. Is 0 even or odd?

(A) Even

(B) Odd

(C) Neither even nor odd

(D) Both even and odd

5. What is the expanded form of 60,091?

(A)  $60,000 + 91$

(B)  $60,000 + 90 + 1$

(C)  $6,000 + 90 + 1$

(D)  $60,000 + 900 + 10$

6. What number is 1 more than 999,999?

(A) 999,000

(B) 1,000,000

(C) 9,999,999

(D) 100,000



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7. What is 9,850 rounded to the nearest 1,000?

- (A) 9,000                      (B) 9,900  
(C) 10,000                    (D) 9,800

8. Which addition problem gives a 5-digit answer?

- (A)  $3,412 + 2,567$                       (B)  $4,850 + 5,320$   
(C)  $2,100 + 1,900$                       (D)  $1,234 + 3,765$

9. What is  $9 \times 9$ ?

- (A) 72                                  (B) 79  
(C) 81                                  (D) 90

10. What is  $8 \times 90$ ?

- (A) 72                                  (B) 720  
(C) 810                                (D) 7,200

11. Solve:  $n \times 7 = 63$ . What is  $n$ ?

- (A) 7                                      (B) 8  
(C) 9                                      (D) 56

12. Which equation solves this problem? "There are 35 stickers shared equally among 5 friends."

- (A)  $35 + 5 = 40$                       (B)  $35 - 5 = 30$   
(C)  $35 \times 5 = 175$                     (D)  $35 \div 5 = 7$



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13. Sam earns \$5 a day for 7 days. He spends \$12. How much money does he have left?

- (A) \$21                      (B) \$23  
(C) \$25                      (D) \$35

14. What is the next number in the pattern? 6, 12, 18, 24, ?

Your Answer:

15. A pizza is cut into 8 equal slices. You eat 3 slices. What fraction of the pizza did you eat?

- (A)  $\frac{3}{8}$                       (B)  $\frac{3}{8}$   
(C)  $\frac{5}{8}$                       (D)  $\frac{3}{5}$

16. Which unit fraction is the largest?

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

17. How many copies of  $\frac{1}{8}$  make  $\frac{6}{8}$ ?

Your Answer:

18. Which of these fractions equals 1?

- (A)  $\frac{3}{4}$                       (B)  $\frac{6}{6}$   
(C)  $\frac{4}{6}$                       (D)  $\frac{1}{1}$  and  $\frac{6}{6}$



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19. Is  $\frac{2}{6}$  more or less than  $\frac{1}{2}$ ?

Your Answer:

20. A game starts at 1:40 P.M. and ends at 2:25 P.M. How long is the game?

Your Answer:

21. A straw reaches from 0 to just past the 7-inch mark, closer to 7 than to 8. What is its length to the nearest inch?

(A) 6 inches

(B) 7 inches

(C) 8 inches

(D)  $7\frac{1}{2}$  inches

22. David says his cup of soup holds 30 liters. Is this reasonable?

(A) Yes, soup cups are big

(B) No, a cup of soup holds less than 1 liter

(C) Yes, 30 liters is a small amount

(D) No, a cup of soup holds about 30 grams

23. How many dimes do you need to make \$1.00?

Your Answer:

24. A pencil costs \$0.75 and an eraser costs \$0.50. How much do they cost together?

(A) \$0.25

(B) \$1.00

(C) \$1.25

(D) \$1.50



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25. What should you ALWAYS check first when reading a picture graph?

- (A) The longest row                      (B) How many rows there are  
(C) The key                                (D) The colors used

26. A bar graph shows stickers earned: Week 1 = 3, Week 2 = 7, Week 3 = 5, Week 4 = 9. How many stickers were earned in all 4 weeks?

- (A) 19                                        (B) 22  
(C) 24                                        (D) 25

27. On a line plot, the number 5 has 4 X marks above it. What does this mean?

- (A) The value is 20                      (B) 4 data points have the value 5  
(C) 5 data points have the value 4                      (D) 4 plus 5 equals 9

28. A square has sides of 8 feet. What is the area?

Your Answer:

\_\_\_\_\_

29. A rectangle is 8 cm long and 6 cm wide. What is the perimeter?

Your Answer:

\_\_\_\_\_

30. A rectangle is partitioned into 6 equal parts. If 5 parts are shaded, what fraction is NOT shaded?

Your Answer:

\_\_\_\_\_



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## ★ *End of Practice Test 1* ★

*Great job finishing the test!*

### *My Score*

*I got \_\_\_\_\_ out of 30 questions right.*

*Check your answers in the **Answer Key** at the back of the book.*

 *Review any questions you missed. That's how we learn!*

THANK YOU

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