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New York NYSTP

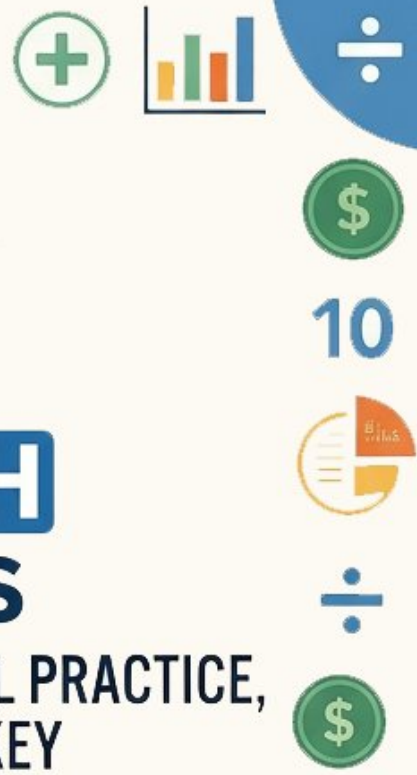
GRADE 3 MATH PRACTICE TESTS

COMPLETE STANDARDS REVIEW WITH SKILL PRACTICE,
WORD PROBLEMS, AND ANSWER KEY



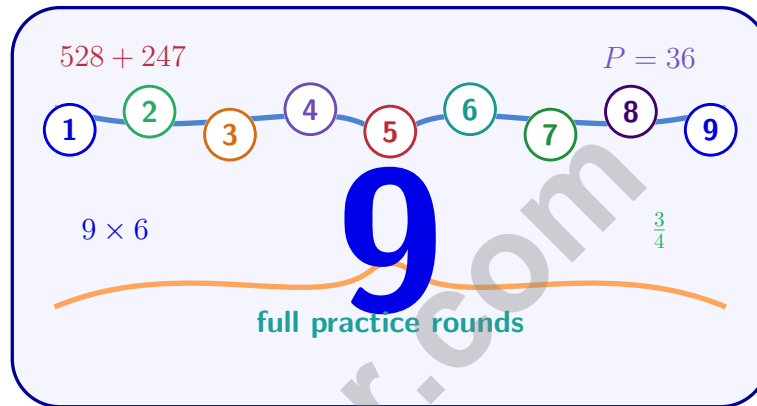
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FOR THE COMPREHENSIVE ASSESSMENT PROGRAM



9 New York NYSTP Grade 3 Math Practice Tests

Standards-Aligned Review with Mixed Practice and Answer Key



Nine complete 30-question Grade 3 practice rounds with operations, fractions, measurement, data, area, shapes, answer keys, and clear explanations for every item.

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New York, Start Your Nine-Round Math Climb

A ready Grade 3 climb from first try to confident finish

This book gives you nine chances to practice like a thoughtful New York NYSTP test taker. Each round mixes numbers, shapes, fractions, data, measurement, and word problems so your brain learns to switch skills calmly.

New York has city grids, canal paths, lake shores, Adirondack trails, and busy classroom questions, where careful steps matter. Strong math follows that same idea: prove what the question asks, choose a useful tool, show the work, and notice before moving on.

Your New York Math Promise

I will slow down enough to understand the question. I will show the work that helps me think. I will use mistakes as practice fuel, then try again with a sharper plan.

Nine rounds is not about rushing. It is about building a math habit that stays strong.

How to Use This Book

A nine-session routine for clear New York review

1. **Warm up first.** Read the quick review pages and remind yourself of the big ideas.
2. **Take one test at a time.** Work without rushing. Circle words, sketch models, and label units.
3. **Check the answer key.** Mark correct answers, then star questions that need another look.
4. **Read explanations after trying again.** The explanation works best after your brain has wrestled with the problem.
5. **Use the growth log.** Track the score, one strong habit, and one skill to practice next.

Good rhythm: Test one day, review the next day, then take the next test when your corrections feel clear. In New York, that steady routine turns nine tests into one organized prep plan.



What Is Inside the Nine Tests?

Mixed Grade 3 practice with NYSTP support

Part	What You Practice
Nine full tests	30 mixed Grade 3 questions in each round
Question styles	Multiple choice, select-all, and open-ended work spaces
Math topics	Operations, patterns, rounding, fractions, measurement, data, area, perimeter, and shapes
Answer support	Compact answer keys plus explanations for every item
Standards help	A New York standards reference and standard-code boxes in explanations

Why mixed practice helps: Real tests do not announce the next skill. These nine rounds help students recognize the math move they need, even when the topic changes from question to question.

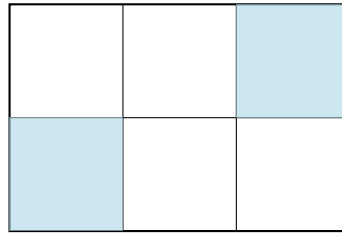


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- 1) A rectangle is divided into 6 equal parts with 2 shaded. What fraction is NOT shaded?



- A. $\frac{2}{6}$ C. $\frac{1}{6}$
 B. $\frac{4}{6}$ D. $\frac{6}{6}$
- 2) Ava has 27 marbles. She shares them equally among 3 friends. How many marbles does each friend get?
- A. 8 C. 10
 B. 11 D. 9
- 3) Sam pours juice equally into 5 glasses. He uses 2000 mL total. About how many milliliters are in each glass?
- A. 200 mL C. 600 mL
 B. 400 mL D. 1000 mL
- 4) A piece of ribbon is divided into 2 equal lengths on a number line from 0 to 1. What is the unit fraction?
- A. $\frac{1}{2}$ C. $\frac{1}{1}$
 B. $\frac{2}{1}$ D. $\frac{1}{3}$



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5) A rectangular kitchen counter is 10 feet long and 3 feet deep. What is the area of the counter?

A. 26 sq ft

C. 13 sq ft

B. 60 sq ft

D. 30 sq ft

6) Eli covers a rectangle with unit tiles. It is 9 tiles long and 3 tiles wide. What is the area?



7) What is 472 rounded to the nearest 10?

A. 470

C. 475

B. 472

D. 500

8)

?

Which number comes next?

A. 11

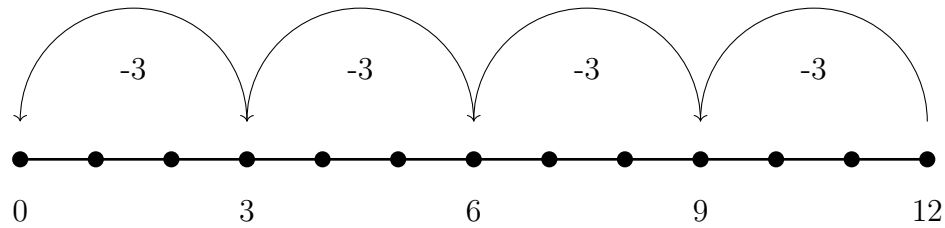
C. 14

B. 16

D. 12



9) Look at the number line. It shows repeated subtraction of 3.



How many times do you subtract 3 from 12 to reach 0?

- A. 2 times C. 5 times
 B. 3 times D. 4 times
- 10) Noah is decorating a wall with square tiles. The wall space is 6 units long and 6 units tall. How many square tiles does he need?
- A. 12 tiles C. 36 tiles
 B. 24 tiles D. 48 tiles
- 11) A classroom is shaped like a rectangle. The length is 9 meters and the width is 3 meters. What is the area of the classroom?
- A. 12 sq m C. 24 sq m
 B. 18 sq m D. 27 sq m
- 12) Write a fraction equivalent to $\frac{1}{2}$.



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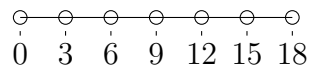
1) What is 899 rounded to the nearest 10?

- A. 890 C. 900
 B. 899 D. 910

2) What is 9×8 ?

- A. 63 C. 72
 B. 70 D. 80

3)



This number line shows skip counting. Which multiplication sentence matches?

- A. $3 \times 9 = 27$ C. $5 \times 3 = 15$
 B. $3 \times 5 = 15$ D. $6 \times 3 = 18$

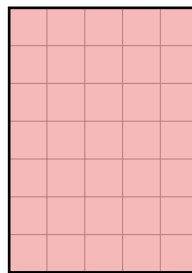
4) If Ava eats $\frac{2}{4}$ of a bar divided into halves, how many halves did she eat?

5) A rectangle is broken into $3 \times (4 + 5)$. Which is NOT a correct next step?

- A. $3 \times 9 = 27$ C. $3 + 4 + 5 = 12$
 B. $(3 \times 4) + (3 \times 5) = 12 + 15 = 27$ D. $(3 \times 4) + (3 \times 5)$



- 6) There are 8 tables in the classroom. Each table has 4 chairs. How many chairs are there in total?
- A. 28 C. 36
 B. 30 D. 32
- 7) Which comparison is true?
- A. $\frac{3}{2} > \frac{3}{3}$ C. $\frac{3}{2} = \frac{3}{3}$
 B. $\frac{3}{2} < \frac{3}{3}$ D. $\frac{3}{3} > \frac{3}{2}$
- 8) A bar graph shows games played. Soccer bar is 3 units, basketball bar is 4 units, tag bar is 2 units. Each unit is 5 games. How many total games were played?
- A. 45 C. 55
 B. 50 D. 60
- 9) Noah organizes his toy train cars in 4 equal rows. If he has 20 cars, how many cars are in each row?
- A. 5 C. 24
 B. 16 D. 80
- 10) This shape is made of unit squares on a grid.



Count the unit squares. What is the area?

- A. 24 sq units C. 35 sq units
 B. 30 sq units D. 40 sq units



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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 turns every missed item into useful practice.

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Practice Test Answers and Explanations

Practice Test 1 Answers and Explanations

- 1) **Choice B is correct.** **(3.G.2)** If 2 out of 6 parts are shaded, then $6 - 2 = 4$ parts are not shaded, which is $\frac{4}{6}$.
- 2) **Choice D is correct.** **(3.OA.6)** $27 \div 3 = \square$ means $\square \times 3 = 27$. Since $9 \times 3 = 27$, each friend gets 9 marbles.
- 3) **Choice B is correct.** **(3.MD.2b)** Divide: $2000 \div 5 = 400$ mL per glass.
- 4) **Choice A is correct.** **(3.NF.2a)** Two equal parts gives unit fraction $\frac{1}{2}$.
- 5) **Choice D is correct.** **(3.MD.7b)** Area = length \times width = $10 \times 3 = 30$ square feet.
- 6) **The correct answer is 27 square units.** **(3.MD.7a)** $9 \times 3 = 27$ square units. That means 27 unit tiles cover the rectangle.
- 7) **Choice A is correct.** **(3.NBT.1)** The ones digit is 2. Since $2 < 5$, round down: 472 rounds to 470.
- 8) **Choice D is correct.** **(3.OA.9)** The pattern is 2, 4, 6, 8, 10, 12. Add 2 each time.
- 9) **Choice D is correct.** **(3.OA.2)** You subtract 3 four times: $12 - 3 - 3 - 3 - 3 = 0$. So $12 \div 3 = 4$.
- 10) **Choice C is correct.** **(3.MD.5b)** $6 \times 6 = 36$ unit square tiles.
- 11) **Choice D is correct.** **(3.MD.6)** Area = $9 \times 3 = 27$ square meters.
- 12) **The correct answer is $\frac{2}{4}$.** **(3.NF.3)** $\frac{2}{4}$ shows the same amount as $\frac{1}{2}$.
- 13) **Choice C is correct.** **(3.MD.3)** Red: $5 \times 4 = 20$. Blue: $6 \times 4 = 24$. Green: $4 \times 4 = 16$. Total: $20 + 24 + 16 = 60$.
- 14) **Choice B is correct.** **(3.NF.2)** Reading left to right on the number line: first tick ($\frac{1}{6}$), third tick ($\frac{3}{6}$), fifth tick ($\frac{5}{6}$). Least to greatest.
- 15) **Choice C is correct.** **(3.MD.1)** $4 : 07 + 18 \text{ min} = 4 : 25 \text{ PM}$.
- 16) **Choices A and C are correct.** **(3.OA.7a)** A: $48 \div 6 = 8$ and $8 \times 6 = 48$ match. B: $35 \div 7 = 5$, not 4. C: $56 \div 8 = 7$ and $7 \times 8 = 56$ match. D: $30 \div 5 = 6$ but $6 \times 5 = 30$, not 25. E: $45 \div 9 = 5$ but $5 \times 9 = 45$, not 40.
- 17) **Choice D is correct.** **(3.OA.4)** Multiply: $9 \times 2 = 18$. Check: $18 \div 2 = 9$.
- 18) **Choice C is correct.** **(3.NF.1)** A circle divided into 8 equal slices has each slice as a unit fraction of $\frac{1}{8}$ (one-eighth).
- 19) **The correct answer is $1\frac{1}{4}$.** **(3.NF.2b)** $\frac{5}{4} = 1\frac{1}{4}$.
- 20) **Choice C is correct.** **(3.MD.5)** Square: $8 \times 8 = 64$ square units. Rectangle: $4 \times 16 = 64$ square units. Many different shapes can have the same area.
- 21) **Choice D is correct.** **(3.OA.1)** The array shows 3 columns with 4 squares in each column. This means $4 + 4 + 4 = 12$ or $3 \times 4 = 12$.
- 22) **Choice A is correct.** **(3.MD.7)** Area = $6 \times 5 = 30$ square meters.
- 23) **Choice A is correct.** **(3.NBT.2)** Subtract: $523 - 245 = 278$. Ones: $3 - 5$ requires regrouping, so $13 - 5 = 8$. Tens: $1 - 4$ requires regrouping, so $11 - 4 = 7$. Hundreds: $4 - 2 = 2$. Answer: 278.
- 24) **Choice C is correct.** **(3.OA.8b)** Step 1: After eating: $18 - 7 = 11$ apples. Step 2: Add new: $11 + 4 = 15$ apples. (Choice A is step 1 only.)
- 25) **Choice A is correct.** **(3.NF.3b)** Both bars show the same shaded length. $\frac{1}{4} = \frac{2}{8}$ because $\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$.
- 26) **Choice C is correct.** **(3.NBT.3)** Multiply $6 \times 4 = 24$, then multiply by 10 to get 240: $6 \times 40 = 24 \times 10 = 240$. You decompose 40 as 4×10 , then use the associative property.
- 27) **Choice B is correct.** **(3.NF.3c)** The bar shows 4 halves. 4 halves make 2 whole units. $\frac{4}{2} = 2$.
- 28) **Choice D is correct.** **(3.NF.3a)** $\frac{2}{3} = \frac{4}{6}$ because both represent two-thirds of the pizza.
- 29) **Choice B is correct.** **(3.G.1)** A rectangle has 4 vertices where the sides meet at corners. A circle has no vertices because it has no straight sides or corners.
- 30) **Choice B is correct.** **(3.NF.3d)** Visual reasoning: same numerator (2), so both take 2 pieces. But $\frac{2}{3}$ divides the whole into 3 parts (each third is large), while $\frac{2}{6}$ divides into 6 parts (each sixth is small). Comparing shaded amounts: 2 large pieces $>$ 2 small pieces, so $\frac{2}{3} > \frac{2}{6}$.



A Note From Your Math Friend

Hi, Math Star!

◇ Wow! You finished 9 full practice tests. That is a LOT of math problems. You worked hard, and your brain got stronger every time. ◇

★ **Here is a big idea:** mistakes are okay! Every time you got something wrong, you got smarter. Through 9 tests, you learned that trying is the most important thing. ★

Look What You Did!

- **Hard Worker:** You did not give up!
- **Smart Thinker:** You used your math tools.
- **Brave Learner:** You tried hard problems.
- **Test Ready:** You feel proud and prepared.

Big tip for test day: take your time. Read each problem twice. Show your work. Check your answer. You can do this!

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

Jay Daie

Your Math Friend

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