

7 Alaska AK STAR Grade 4 Math Practice Tests

Comprehensive Test Prep with Detailed Answers

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Grade 4 Math: 7 Practice Tests

Hey there, dedicated learner! ★

Seven practice tests mean **thorough coverage** of every
Grade 4 topic and **plenty of room to grow**.

- ✓ Comprehensive review of all key skills.
- ✓ Seven rounds to find and fix weak spots.
- ✓ Watch your confidence climb test by test!

Thorough practice leads to lasting mastery! 🍏

“Seven tests means
seven chances to level up.
That’s a thorough review!”



How to Use This Book

Seven tests for a thorough review — here's how to get the most from each one.

What's Inside

- **7 Practice Tests** — comprehensive coverage of every Grade 4 topic
- **Answer Key** — detailed answers and explanations at the back
- **Reference Pages** — math symbols and multiplication table you can use during tests
- **My Test Tracker** — chart your progress across all seven tests

How to Take a Practice Test

1. **Set up:** Find a quiet spot. Gather pencils, eraser, and scratch paper.
2. **Time it:** Set a timer (or ask a grown-up to). Try to finish without rushing.
3. **Work through it:** Answer every question. Skip hard ones and come back later.
4. **Check your work:** Use any extra time to double-check your answers.
5. **Score it:** Use the Answer Key. Write your score in the Test Tracker.

Multiple Choice

*Pick the best answer from the choices given.
Read ALL options before choosing — the first
one that looks right isn't always the best!*

Short Answer

*Solve the problem and write your answer. Show
your work — even if you get the answer wrong,
partial credit counts in many real tests!*

 **Strategy:** With 7 tests, try doing 2–3 per week. Review your mistakes after each test — that's where the deepest learning happens!

💡 Test-Taking Tips 💡

Master these strategies and watch your scores rise across all 7 tests!

🕒 Before You Start

- Get a good night's sleep and eat a healthy meal.
- Have your supplies ready: pencils, eraser, scratch paper.
- Take three slow, deep breaths. You've prepared for this!
- Set a goal for each test — even a small one counts!

✎ During the Test

1. **Read each question twice.** Underline key words like “how many more,” “product,” or “estimate.”
2. **Show your work.** Write out each step — it helps you catch mistakes.
3. **Use scratch paper.** Line up digits carefully for multi-digit problems.
4. **Skip and return.** Stuck on a question? Star it and move on. Come back with fresh eyes.
5. **Check with estimation.** Does your answer make sense? A quick estimate can catch big errors.
6. **Use your time wisely.** Don't spend too long on one problem.

✅ Multiple Choice Tricks

- Read **all** choices first.
- Cross out answers you know are wrong.
- Plug your answer back into the problem.
- When in doubt, eliminate and guess — never leave it blank!

⚠️ Watch Out For..

- Rushing through without reading carefully.
- Mixing up $\times$ and $+$ in word problems.
- Forgetting to regroup when adding or subtracting.
- Not simplifying fractions when asked.
- Skipping the “check your work” step.



“ Seven tests is a thorough review — by the end, you'll know this material inside and out! Trust the process and celebrate every improvement along the way. ”

X¹ Math Reference Sheet X¹

You may use this page during your practice tests!

Symbol	Name	Meaning
+	Plus	Combine amounts
-	Minus	Find the difference
×	Times	Multiply (repeated groups)
÷	Divide	Split into equal parts
=	Equals	Same value on both sides
> <	Greater / Less Than	Compares two values
$\frac{a}{b}$	Fraction	a parts out of b equal parts
.	Decimal Point	Separates wholes from parts
∠	Angle	Measured in degrees

Key Math Words

- **Factor** — a number you multiply
- **Product** — answer from multiplying
- **Quotient** — answer from dividing
- **Remainder** — left over after dividing
- **Numerator** — top of a fraction
- **Denominator** — bottom of a fraction
- **Equivalent** — equal in value
- **Perimeter** — distance around
- **Area** — space inside
- **Estimate** — a close, rounded guess

 Word Problem Clue Words

Add (+) *in all, altogether, total, combined, sum, increase*

Subtract (−) *how many more, how many fewer, difference, left, remain*

Multiply (×) *each, every, per, times as many, groups of, product*

Divide (÷) *split equally, shared among, divided into, per group*



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PREVIEW



Find more at
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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. Which equation matches the statement: "35 is 5 times as many as 7"?

(A) $35 + 5 = 7$

(B) $5 + 7 = 35$

(C) $5 \times 7 = 35$

(D) $35 - 7 = 5$

2. A school ordered 7 boxes of crayons. Each box has 24 crayons. The teacher gave away 15 crayons. How many crayons does the school have now?

(A) 168

(B) 153

(C) 163

(D) 152

3. Which of the following is a factor of 18?

(A) 4

(B) 5

(C) 6

(D) 8

4. The pattern 1, 4, 9, 16, 25 shows the square numbers. What is the next term?

(A) 30

(B) 35

(C) 36

(D) 49

5. In 465,312, what is the value of the digit 4?

(A) 4

(B) 4,000

(C) 400,000

(D) 40,000



6. Compare: 541,208 _____ 541,280.

(A) $>$

(B) $<$

(C) $=$

(D) Cannot compare

7. What is $4,000 \div 10$?

(A) 400

(B) 40

(C) 40,000

(D) 4

8. What does rounding do to a number?

(A) Makes it exactly equal to the original

(B) Makes it simpler but close to the original

(C) Always makes it bigger

(D) Gives the exact answer

9. A toy store puts 3 toys on each shelf. There are 416 shelves. How many toys are displayed?

(A) 1,148

(B) 1,238

(C) 1,248

(D) 1,348

10. When using the area model for 23×15 , how many partial products do you get?

(A) 2

(B) 3

(C) 4

(D) 6



11. Which is larger: $\frac{1}{4}$ or $\frac{1}{8}$?



- (A) $\frac{1}{8}$, because 8 is bigger than 4.
- (B) $\frac{1}{4}$, because fourths are bigger pieces than eighths.
- (C) They are equal.
- (D) $\frac{1}{4}$, because 4 is smaller than 8.

12. Write $\frac{3}{4}$ as a sum of fractions in two DIFFERENT ways. (Both parts must have a denominator of 4.)



Your Answer:

13. Owen had $\frac{7}{12}$ of a fruit bar. He gave $\frac{4}{12}$ to his sister. What fraction does Owen have left?

Your Answer:

14. A cook needs $3\frac{2}{6}$ cups of broth for soup and $1\frac{5}{6}$ cups for gravy. How much broth is needed in all?

Your Answer:

15. What is $3 \times \frac{1}{4}$?

- (A) $\frac{1}{12}$
- (B) $\frac{3}{12}$
- (C) $\frac{3}{4}$
- (D) $\frac{4}{3}$



16. What fraction must be added to $\frac{3}{10}$ to get $\frac{45}{100}$?

(A) $\frac{15}{100}$

(B) $\frac{42}{100}$

(C) $\frac{5}{100}$

(D) $\frac{75}{100}$

17. Which fraction equals 0.09?

(A) $\frac{9}{10}$

(B) $\frac{90}{100}$

(C) $\frac{9}{100}$

(D) $\frac{9}{1}$

18. Compare: 0.08 ____ 0.8

(A) $>$

(B) $=$

(C) $<$

(D) Cannot be determined.

19. A soda bottle holds 2 liters of water. How many milliliters is that?

(A) 200 mL

(B) 2,000 mL

(C) 20 mL

(D) 20,000 mL

20. It takes 35 minutes to bake a batch of cookies and 20 minutes to cool. If Mia wants cookies ready by 4 : 00 PM, by what time must she start baking?

Your Answer:

21. A rectangle has a perimeter of 20 cm and a length of 6 cm. What is the area of the rectangle?

(A) 14 sq cm

(B) 20 sq cm

(C) 24 sq cm

(D) 60 sq cm



22. A square has a perimeter of 44 inches. What is the side length?

Your Answer:

23. A line plot of pencil lengths (in inches): 5 (2 pencils), $5\frac{1}{2}$ (5 pencils), 6 (3 pencils). What is the mode and range?

Your Answer:

24. A full turn around a circle measures how many degrees?

(A) 90°

(B) 180°

(C) 270°

(D) 360°

25. An angle of 120° is divided into two equal parts. How big is each part?

(A) 30°

(B) 60°

(C) 120°

(D) 240°

26. How many endpoints does a line segment have?

Your Answer:

27. Which type of angle is **less than** 90° ?

(A) Right

(B) Obtuse

(C) Straight

(D) Acute



28. Name one real-world object that shows parallel lines.

Your Answer:

29. A triangle has angles of 90° , 35° , and 55° . What type of triangle is it?

Your Answer:

30. Name one uppercase letter of the alphabet that has NO line of symmetry.

Your Answer:



Find more at
[ViewMath.com/Grade4](https://www.viewmath.com/Grade4)



★ *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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- ✓ *Complete answer key with explanations*
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- ✓ *Reference sheets and progress trackers*

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