

10 Alaska AK STAR Grade 4 Math Practice Tests

The Ultimate Test Prep Collection with Answer Explanations

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Published by View Math Education

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Grade 4 Math: 10 Practice Tests



Hey there, test champion! 🏆

Ten practice tests — that's the **ultimate preparation**. By the end, you'll be ready for **anything**!

- ✓ Maximum practice for maximum confidence.
- ✓ See every type of question multiple times.
- ✓ Ten chances to improve and master every topic!

Time to become a test champion! 👍

“ Ten tests! That's champion-level commitment. You're going to be SO prepared! ”



How to Use This Book

Ten tests, one goal: total mastery. Here's your champion game plan.

What's Inside

- **10 Practice Tests** — the ultimate set covering 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 champion journey across all ten 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!

 **Champion Strategy:** Pace yourself! Do 2–3 tests per week. Review every mistake between tests — by Test 10, you'll be unstoppable!

💡 Test-Taking Tips 💡

Champion strategies to carry you through all 10 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're a test champion!
- Remember: 10 tests means 10 chances to improve — no pressure on any single one.

✎ 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.



“ Ten tests! That takes real dedication. You're not just practicing — you're training like a champion. By the last test, nothing will surprise you! ”

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



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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!



5. A school library has two hundred fifteen thousand, eight hundred books. What is this number in standard form?

(A) 215,800

(B) 215,008

(C) 20,158,000

(D) 215,080

6. Order from least to greatest: 5,280; 52,800; 528; 528,000.

Your Answer:

7. What is $2,300 \div 10$?

(A) 230

(B) 23

(C) 23,000

(D) 2,030

8. A student says "4,782 rounds to 5,000 to the nearest thousand." Is this correct?

(A) Yes, it is correct

(B) No, it rounds to 4,000

(C) No, it rounds to 4,700

(D) No, it rounds to 4,800

9. A farmer plants 9 rows of corn with 176 plants in each row. How many corn plants are there in all?

Your Answer:

10. List all four partial products for 37×28 and find the product.

Your Answer:



11. Which fraction is the greatest?

(A) $\frac{1}{6}$

(B) $\frac{1}{3}$

(C) $\frac{1}{2}$

(D) $\frac{1}{4}$

12. Which equation is TRUE?

(A) $\frac{4}{8} = \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$

(B) $\frac{5}{10} = \frac{2}{10} + \frac{3}{10}$

(C) $\frac{3}{6} = \frac{2}{6} + \frac{2}{6}$

(D) $\frac{6}{8} = \frac{4}{8} + \frac{3}{8}$

13. A pitcher was $\frac{7}{8}$ full. Ana poured out $\frac{4}{8}$. How full is the pitcher now?

(A) $\frac{4}{8}$

(B) $\frac{3}{8}$

(C) $\frac{11}{8}$

(D) $\frac{2}{8}$

14. Which improper fraction is equal to $3\frac{1}{3}$?

(A) $\frac{7}{3}$

(B) $\frac{9}{3}$

(C) $\frac{10}{3}$

(D) $\frac{4}{3}$

15. What is $2 \times \frac{3}{4}$, written as a mixed number?

(A) $1\frac{2}{4}$

(B) $1\frac{1}{4}$

(C) $1\frac{3}{4}$

(D) $\frac{6}{4}$



16. What is the missing number? $\frac{6}{10} = \frac{?}{100}$

(A) 16

(B) 600

(C) 6

(D) 60

17. A runner finished a race in 12.6 seconds. Write the decimal part (0.6) as a fraction.

Your Answer:

18. A student says that $0.40 > 0.4$ because $40 > 4$. Is the student correct?

(A) Yes, $40 > 4$ so $0.40 > 0.4$.

(B) No. $0.40 = 0.4$ because adding a zero to the end of a decimal doesn't change its value.

(C) No. $0.40 < 0.4$ because there are more decimal places.

(D) Yes, because 0.40 has hundredths.

19. How many milliliters are in 1 liter?

(A) 100 mL

(B) 10 mL

(C) 1,000 mL

(D) 10,000 mL

20. Rosa buys a book for \$6.75 and a pencil for \$0.49. How much does she spend in total?

(A) \$6.24

(B) \$7.24

(C) \$7.14

(D) \$7.34

21. A floor has an area of 50 square feet. The length is 10 feet. What is the width?

Your Answer:



22. A square has sides of 8 m. What is its perimeter?

Your Answer:

23. A line plot shows time spent on homework (hours): $\frac{1}{4}$, $\frac{1}{2}$, $\frac{1}{2}$, $\frac{3}{4}$, $\frac{3}{4}$, $\frac{3}{4}$, 1, $1\frac{1}{4}$. What is the mode?

(A) $\frac{1}{4}$ hr

(B) $\frac{1}{2}$ hr

(C) $\frac{3}{4}$ hr

(D) 1 hr

24. The corner of a square piece of paper is what type of angle?

(A) Acute

(B) Obtuse

(C) Straight

(D) Right

25. Four angles meet at a point making a full 360° turn. Three of them measure 80° , 90° , and 100° . What is the fourth angle?

Your Answer:

26. A clock hand pointing from the center of the clock to the "12" is most like which figure?

(A) A line

(B) A ray

(C) A line segment

(D) A point

27. Tim opens a book flat on the table. The angle between the covers is 180° . What type of angle is that?

(A) Acute

(B) Right

(C) Obtuse

(D) Straight



28. Two streets meet at a 90° angle. Are the streets parallel or perpendicular?

Your Answer:

29. True or false: A square is a special type of rhombus.

Your Answer:

30. Which shape has MORE lines of symmetry than a rectangle (non-square)?

(A) Scalene triangle

(B) Trapezoid with no equal sides

(C) Square

(D) Right triangle



★ *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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- ✓ *Hundreds of practice problems*
- ✓ *Complete answer key with explanations*
- ✓ *Colorful visuals and step-by-step examples*
- ✓ *Reference sheets and progress trackers*

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