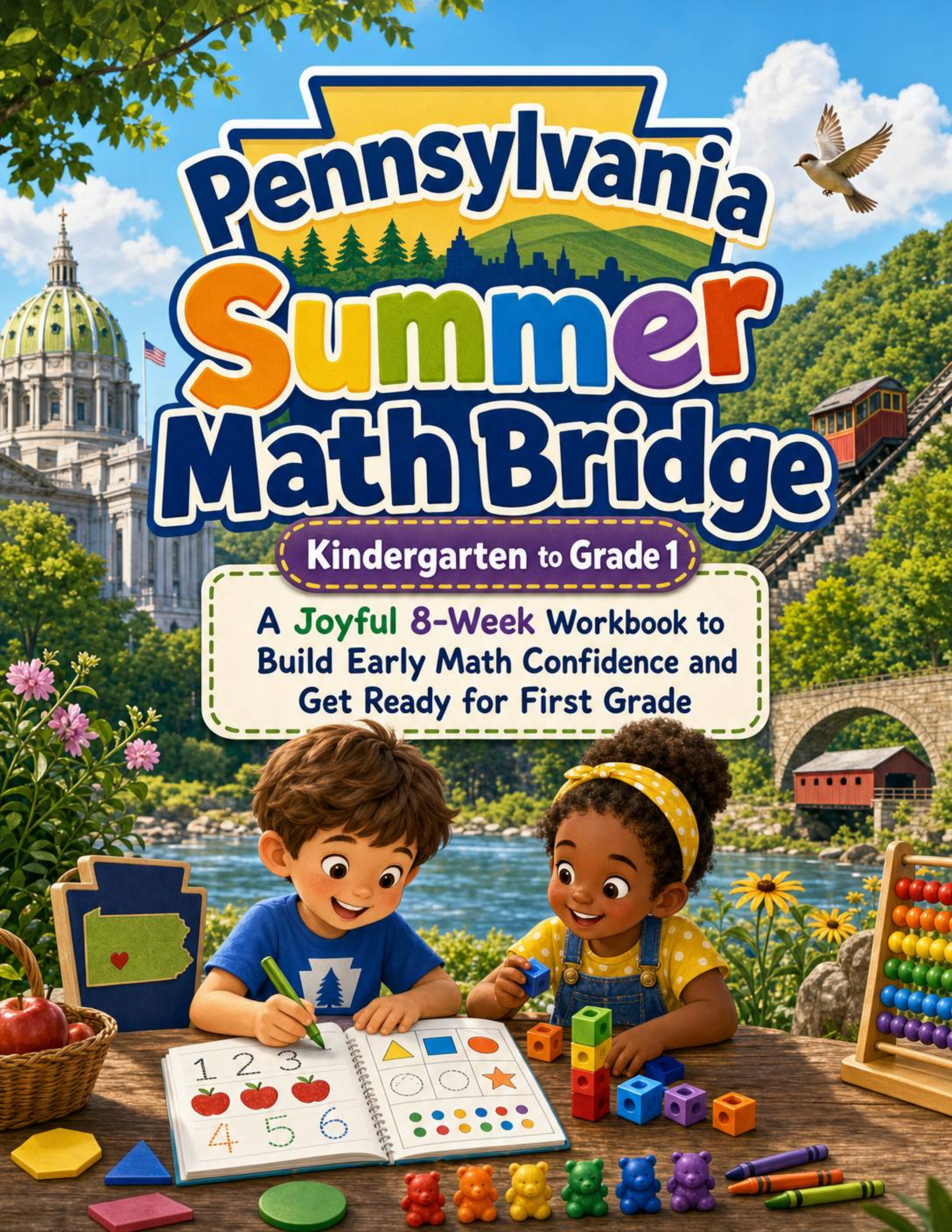

Pennsylvania
Summer
Math Bridge
Kindergarten to Grade 1
A Joyful 8-Week Workbook to Build Early Math Confidence and Get Ready for First Grade

K TO GRADE 1

Summer Math

MATH READY BRIDGE

Pennsylvania Summer Math Bridge

Kindergarten to Grade 1

A Joyful 8-Week Workbook to Build Early Math Confidence and Get Ready for First Grade

Short daily lessons, picture practice, activity pages, and review games help children count, compare, solve, and feel ready for first grade.

Count **Draw** **Think** **Celebrate**

A gentle path from Kindergarten skills into confident Grade 1 readiness.

1 2 3 4 5

Reza Nazari

Effortless Math Education

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Tip for families: Start with the week your child needs, or move through the bridge in order. Answer keys and explanations are grouped near the back of the book.

Before Grade 1

Before Grade 1 Math

1

Week 1: Counting and Number Sense to 10

Five playful days: learn the idea, try it with pictures, then practice with confidence.

Big Idea

This week builds happy counting habits. Children count objects, name numbers, write numerals, match groups, and compare small sets.

Summer Math Adventure Stop 1: Counting and Number Sense to 10

After Day 5, check this stop: ☐

Week Plan

standard codes

1. **Count Objects from 0 to 5** — K.CC
2. **Count Objects from 6 to 10** — K.CC
3. **Write Numbers 0 to 10** — K.CC
4. **Match Numbers to Groups** — K.CC
5. **Compare More, Fewer, and Same** — K.CC

Week 1 Mission

count, notice, solve, explain

Counting and Number Sense to 10

This week has five friendly stops. Work slowly, point to the pictures, and say one thing you notice before writing an answer.

Day 1 Count Objects from 0 to 5

K.CC

Big Idea

Counting starts with careful touches. Children count small groups and learn that the last number tells how many.

Learn to:

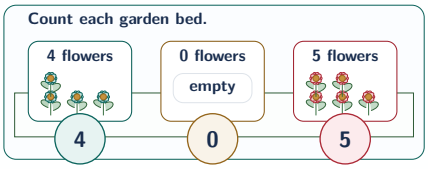
- Count groups from 0 to 5.
- Touch or point to each object once.
- Tell how many are in the group.

The Meaning

When we count, each object gets one number name. The last number we say tells how many objects there are.

Bridge Habit

Point, count, and stop. The last number is the answer.



Watch For

Do not count the same object twice. Move slowly and touch each object once.

Example 1: Try it together

Question: Count the dots, then tell how many dots are in the group.



Let's think it through.

Point to each dot one at a time.
Say 1, 2, 3, 4.
The last number is 4.

Result: 4

Example 2: Try it together

Question: How many dots are here?

empty

Let's think it through.

There are no dots to count.
A group with nothing in it is zero.

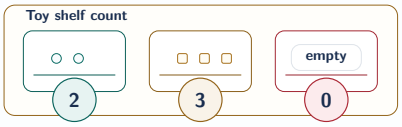
Result: 0

Math picture point

Count Objects from 0 to 5

Point, count, and stop. The last number is the answer.

Point. Count. Explain.



Scan Me

Day 3: Practices:

Number Writer Quest

trace, match, and write

Practice writing numerals with tracing, groups, ten-frames, missing numbers, and tiny stories.

1. Trace 0, then write it again.

0 0 ____ ____ _____

2. Trace 5, then write it again.

5 5 ____ ____ _____

3. Trace 10, then write it again.

10 10 ____ ____ _____

4. How many stars are in the group? Write the number.



_____

5. Which number matches this group of circles?



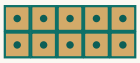
7 8 9 _____

6. Write the missing number: 4, 5, _____, 7.

7. What number comes after 8?

8, _____

8. Count the filled boxes, then write the number.



_____

9. Write the numeral for seven.

seven _____

10. Which numeral shows zero?

0 6 9 _____

11. Mia writes 2, 3, 4. What number should she write next? _____

12. Leo sees 9 blocks. Write the numeral for 9.



_____



Number writing tip: Say the number, trace slowly, then check: "Can someone else read my number?"

Scan Me

Day 4 Match Numbers to Groups

K.CC

Big Idea

Children connect written numerals to groups of objects.

Learn to:

- Count a group.
- Choose the matching numeral.
- Check by counting again.

The Meaning

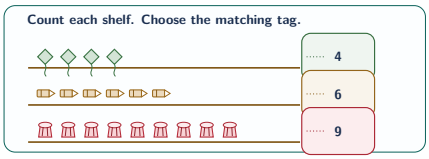
A number tells how many are in a group. To match a number and a group, count the objects and choose the numeral with the same amount.

Bridge Habit

Count first, choose second.

Watch For

Do not choose a number because it is close. Count and match exactly.



Example 1: Try it together

Question: Count the group. Which number matches the dots?



5 6 7

Let's think it through.

Count the group.
There are 6 dots.
Choose 6.

Result: 6

Example 2: Try it together

Question: Which group matches the number 9?



Let's think it through.

Count group A: 8. That is too few.
Count group B: 9. That is just right.

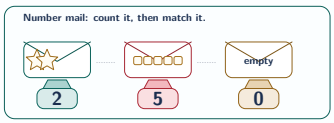
Result: B

Math picture point

Match Numbers to Groups

Count first, choose second.

Point. Count. Explain.



Toy Shelf Match-Up

Name _____

Count the toys on each shelf. Match each shelf to the number tag with the same amount.

Toy shelf match-up: count toys first, then choose the tag.

A  _____ 7

B empty _____ 4

C  _____ 6

D  _____ 0

Draw 5 toys on this shelf.

tag: ____

Which shelf has no toys?

(A) (B) (C) (D) letter: ____

Challenge: make a shelf that matches 8. Use two kinds of toys.

Count and check

Count first, match second, then check once more.

Make it harder

Change one number or picture. Solve your new version.

Explain it

Tell a grown-up: I know because _____.

Creative finish: Draw one more example, then write the answer beside it.

Before Grade 1 Math