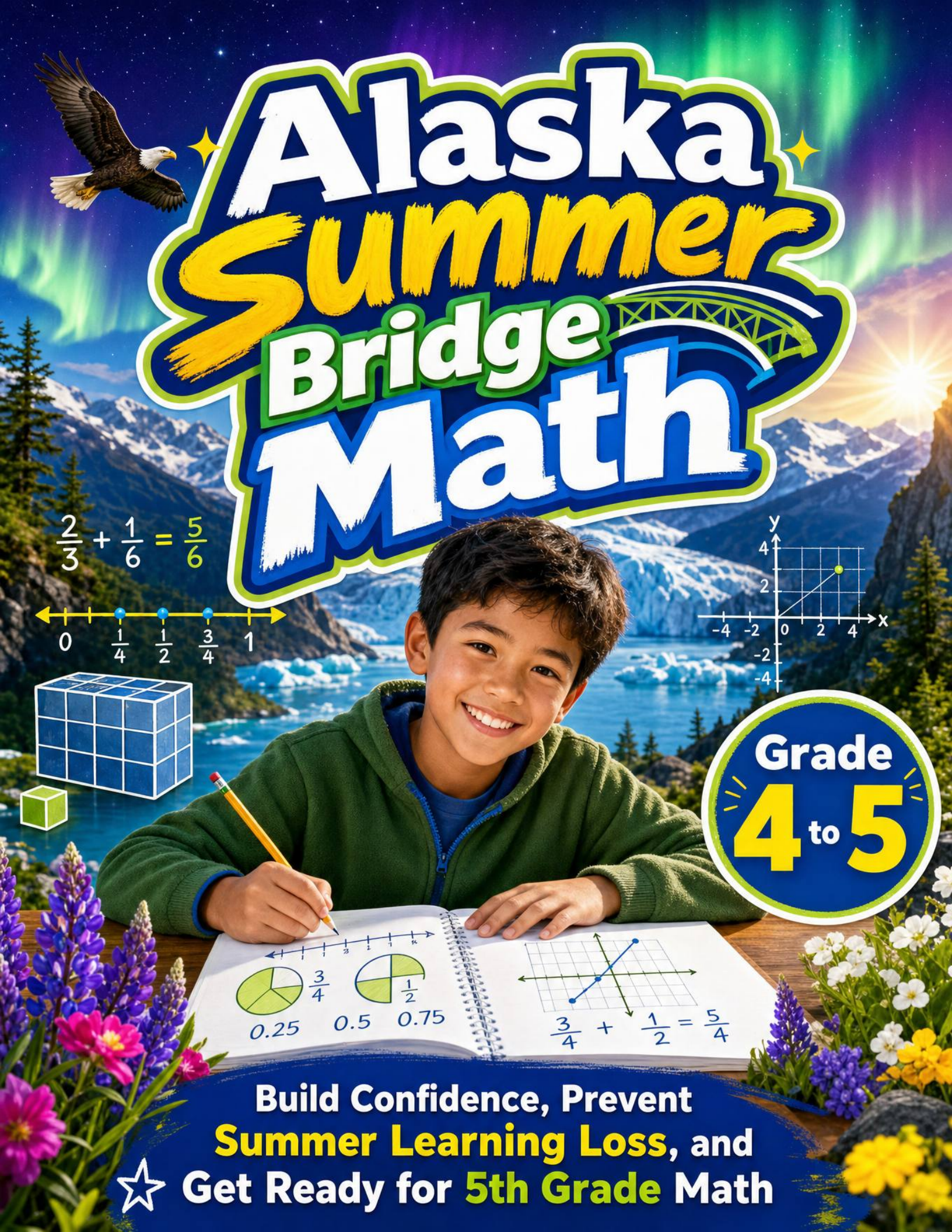
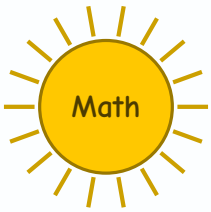

Alaska
Summer
Bridge
Math
$\frac{2}{3} + \frac{1}{6} = \frac{5}{6}$
0 $\frac{1}{4}$ $\frac{1}{2}$ $\frac{3}{4}$ 1
y
x
Grade
4 to 5
$\frac{3}{4}$ $\frac{1}{2}$
0.25 0.5 0.75
$\frac{3}{4} + \frac{1}{2} = \frac{5}{4}$
Build Confidence, Prevent
Summer Learning Loss, and
Get Ready for 5th Grade Math

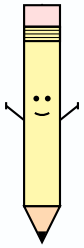
Summer Math Bridge

From Grade 4 to Grade 5

Alaska Edition



"Math is easy when you take it step by step!"



Welcome to your summer math adventure!





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Your 8-Week Summer Math Journey!



8 Weeks — 40 Topics — Lesson & Practice

Weeks 1–4 (Grade 4 Review)

- Week 1: Whole Numbers & Place Value
- Week 2: Multiplication & Division
- Week 3: Fractions
- Week 4: Decimals, Area & Angles

Weeks 5–8 (Grade 5 Preview)

- Week 5: Decimals & Big Operations
- Week 6: Expressions & Patterns
- Week 7: Fractions Without Limits
- Week 8: Geometry, Graphing & Volume

Each topic = 2 pages: Page 1: Lesson & Examples • Page 2: Practice Problems

★ You are amazing! Every topic you complete is one step closer to becoming a Grade 5 math champion! ★



Pack your pencil — the adventure starts on the next page!



Run and scan! Be a fan!

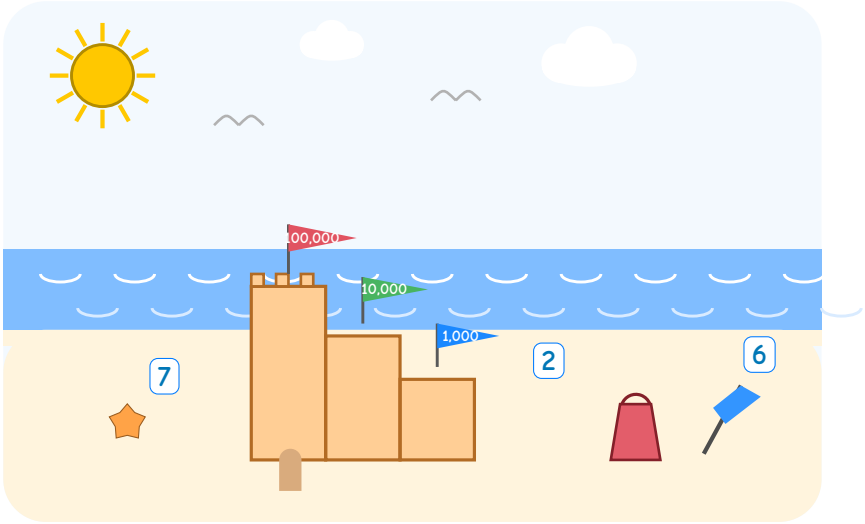
Scan Me

WEEK 1

Grade 4 Review — Whole Numbers & Place Value

Topics This Week:

1. Place Value to Hundred Thousands
2. Comparing & Ordering Numbers
3. Rounding Multi-Digit Numbers
4. Adding Multi-Digit Numbers
5. Subtracting Multi-Digit Numbers

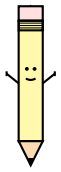


Build big numbers, one place at a time!

DAY 4 ★ ✍ Practice Time!

4.NBT.4

★ ✎ Multi-Digit Addition Practice ✎ ★



Line up your addends like popsicles in a box — ones under ones, tens under tens! Add from right to left and toss each carried 1 to the next column like a beach ball.

Add (No Regrouping)

1. 421,305 + 256,482 = _____

2. 613,254 + 172,533 = _____

3. 352,041 + 426,857 = _____

Add (With Regrouping)

4. 457,839 + 286,594 = _____

5. 693,278 + 148,956 = _____

6. 376,948 + 285,167 = _____

7. 648,575 + 183,649 = _____

8. 529,786 + 263,548 = _____

9. 358,496 + 467,738 = _____

Add and Find the Sum

10. 263,718 + 425,690 = _____

11. 417,256 + 348,937 = _____

12. 529,847 + 263,585 = _____

13. 581,367 + 86,754 = _____

Word Problems

14. A summer fair sold 318,246 ride tickets in June and 254,637 ride tickets in July. What is the total number of tickets? _____ tickets

15. Over the summer, a lemonade stand chain squeezed 274,586 lemons in June and 348,725 in July. How many lemons total? _____ lemons

DAY 5 ★ ✎ Learn It!

4.NBT.4

Subtracting Multi-Digit Numbers

Standard Algorithm

(regroup)

723,142

Cross out and regroup ← **−485,367** → Can't subtract: borrow from tens

237,775

Steps to Subtract

1. Line up digits by place value
2. Subtract from right to left
3. If the top digit is too small, **regroup** (borrow from the left)
4. Continue through all places

Check: add the difference + the smaller number. Should equal the larger number!

★ Worked Example

Without Regrouping

Subtract: **798,647 − 453,215**

1. Ones: $7 - 5 = 2$
2. Tens: $4 - 1 = 3$
3. Continue each place...

$$\begin{array}{r} 798{,}647 \\ -453{,}215 \\ \hline 345{,}432 \end{array}$$

Answer: 345,432

With Regrouping

Subtract: **603,500 − 247,816**

1. $0 - 6$: can't! Borrow across zeros
2. Regroup from the hundreds place
3. Keep regrouping as you move left

$$\begin{array}{r} 603{,}500 \\ -247{,}816 \\ \hline 355{,}684 \end{array}$$

Answer: 355,684



"Borrowing is like asking the beach towel next door for 10 extra ice cubes—that column hands one of its own over so your column can chill and finish the job!"



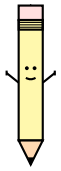
Math is cool! Scan the tool!

Scan Me

DAY 5 ★ ✍ Practice Time!

4.NBT.4

★ ✎ Multi-Digit Subtraction Practice ✎ ★



Subtract from right to left like collecting shells along the shore! If the top digit is too small, borrow 10 from the neighbor on the left, then add your answer back to double-check it!

Subtract (No Regrouping)

1. 879,656 − 423,514 = _____

2. 768,975 − 325,641 = _____

3. 596,847 − 273,524 = _____

Subtract (With Regrouping)

4. 532,146 − 287,659 = _____

5. 900,000 − 536,428 = _____

6. 836,501 − 459,876 = _____

7. 421,307 − 158,649 = _____

8. 600,040 − 273,186 = _____

9. 715,832 − 468,257 = _____

Find the Difference

10. 856,940 − 423,620 = _____

11. 500,000 − 246,813 = _____

12. 743,265 − 318,547 = _____

13. 600,000 − 1 = _____

Word Problems

14. A jumbo kite spool holds 815,300 feet of string. A smaller spool holds 348,762 feet. How much more string does the jumbo spool hold?

_____ feet

15. A water park stocked 750,000 pool floats for the summer. It handed out 462,385. How many floats are left?

_____ floats

Scan Me

Math is cool! Scan the tool!

