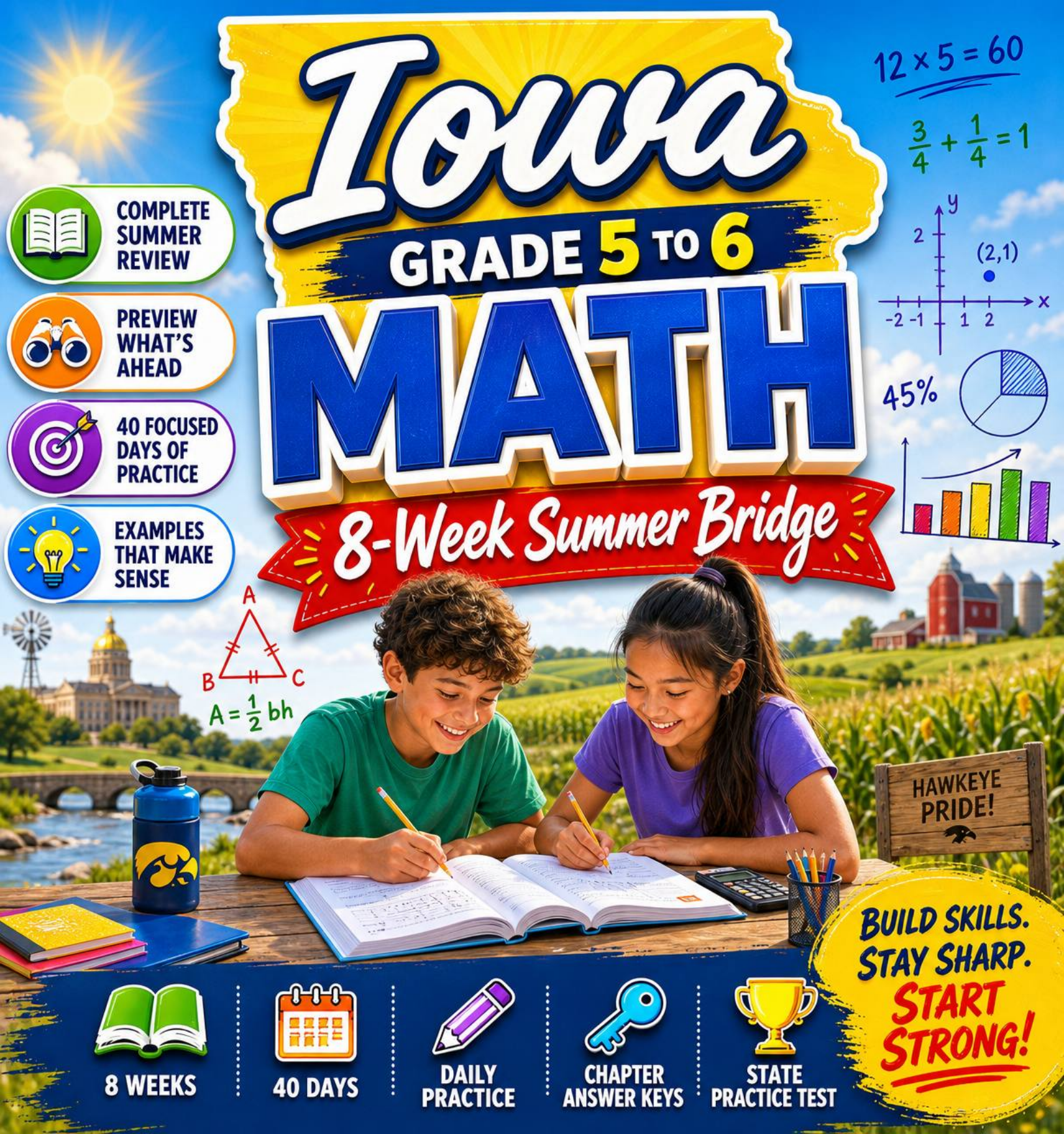

Iowa
GRADE 5 TO 6
MATH
8-Week Summer Bridge
COMPLETE SUMMER REVIEW
PREVIEW WHAT'S AHEAD
40 FOCUSED DAYS OF PRACTICE
EXAMPLES THAT MAKE SENSE
12 x 5 = 60
3/4 + 1/4 = 1
(2,1)
45%
A
B
C
A = 1/2 bh
HAWKEYE PRIDE!
BUILD SKILLS. STAY SHARP. START STRONG!
8 WEEKS
40 DAYS
DAILY PRACTICE
CHAPTER ANSWER KEYS
STATE PRACTICE TEST

GRADE
5 TO 6

Summer Bridge

MATH
SUMMER
BRIDGE

Iowa Summer Bridge

# Grade 5 to 6 Math

## 8-Week Summer Bridge

A complete summer review and preview with 8 weeks, 40 focused days, examples, daily practice, chapter answer keys, and a state practice test.

**Review** **Preview** **Practice** **Check**

A steady bridge from Grade 5 skills into Grade 6 readiness.

Reza Nazari

# Effortless Math Education

Independent educational publishing

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# Day 1: Practices:

## Skill Practice

1. Value of 7 in $5,738,204$: _____
2. Value of 2 in $4,208,615$: _____
3. 6 millions, 3 hundred-thousands, 9 thousands, 4 ones: _____
4. Greater value in $8,482,106$: 8 or 4? _____
5. $42 \times 10,000 =$ _____
6. $730,000 \div 100 =$ _____
7. One tenth of $64,000$: _____
8. 100 times $9,500$: _____
9. If 5 is worth $50,000$, its place is _____
10. $407 \times$ _____ $= 4,070,000$
11. 4 millions, 8 ten-thousands, 3 hundreds, 6 ones: _____
12. $5,620,000 \div$ _____ $= 56,200$
13. 38 boxes with $1,000$ books each: _____ books
14. 25 packs of 100 sheets shared by 10 rooms: _____ sheets
15. $312,400 \times 10 =$ _____
16. $312,400 \div 10 =$ _____
17. $704 \times 10,000 =$ _____
18. $7,040 \times 1,000 =$ _____
19. Value of 9 in $9,406,120$: _____
20. $60,000 \div$ _____ $= 600$

## Word Problems

21. For open house, students make 62 bundles with $1,000$ flyers in each bundle. Flyers: _____
22. A city library lists $438,000$ books. One tenth are checked out during the summer challenge. Checked out: _____
23. A makerspace orders 27 boxes of tiny clips for robot kits. Each box holds $10,000$ clips. Clips: _____
24. A ticket counter shows $6,507,214$ total visits. The value of the digit 5 is _____
25. The art club packs 94 sets of vocabulary cards with 100 cards in each set. Cards: _____
26. A photo archive has $8,200,000$ images and stores them in folders of $1,000$. Folders: _____

## More Practice

27. $53 \times 1,000 =$ _____
28. $870,000 \div 100 =$ _____
29. Value of 4 in $3,418,205$: _____
30. $620 \times 10,000 =$ _____
31. One tenth of $93,000$: _____
32. $7,500,000 \div 1,000 =$ _____
33. 2 millions, 5 thousands, 9 ones: _____
34. $408 \times 100 =$ _____
35. Value of 6 in $6,204,811$: _____
36. $91,000 \div 10 =$ _____



Scan Me

## Day 2 Reading, Writing, and Comparing Large Numbers

5.4

### ☞ Big Idea

Large numbers are easier to compare when they are grouped by place value periods. Standard form, word form, and expanded form should all describe the same amount.

### ✓ Learn to:

- Recognize when a problem is asking for number forms and comparison.
- Use a clear step-by-step method instead of mental shortcuts only.
- Check whether the final answer fits the question and units.

# The Meaning

Large numbers are easier to compare when they are grouped by place value periods. Standard form, word form, and expanded form should all describe the same amount. For summer bridge work, the goal is to rebuild the habit behind the skill, not just finish a page of problems. Read the quantities, choose a representation or operation, and keep the answer connected to the situation.

### ☞ Bridge Habit

Line up the periods: millions, thousands, and ones. Compare from left to right, beginning with the greatest place.

| Millions | Thousands | Ones |
|---|---|---|
| 6 | 482 | 135 |
| 6 | 390 | 821 |

first different period

### Start at the largest place

A larger digit in the ones place cannot beat a larger digit in the hundred-thousands place.

### Example 1: Write expanded form

**Question: Write** $406,912$ **in expanded form.**

**First:** Break the number apart by place value.

**Next:** The nonzero place values are $400,000$, $6,000$, $900$, $10$, and $2$.

**Then:** Add the parts to show the full value.

☞ ***Result:*** $400,000 + 6,000 + 900 + 10 + 2$

### Example 2: Compare two numbers

**Question: Which is greater:** $506,219$ **or** $560,129$**?**

**First:** Both numbers have 5 in the hundred-thousands place.

**Next:** Compare the ten-thousands place: 0 is less than 6.

**Then:** So $560,129$ is greater.

☞ ***Result:*** $560,129$

# Day 2: Practices:

## Skill Practice

1. Expanded form of $920,507$: _____
2. Expanded form of $604,030$: _____
3. $500,000 + 70,000 + 800 + 6 =$ _____
4. Eight hundred six thousand, forty-nine: _____
5. $430,215$: four hundred thirty thousand, _____
6. $438,219$ ___ $483,192$
7. $702,014$ ___ $720,104$
8. Least number: $325,608$; $352,068$; $325,860$ _____
9. Greatest number using $4, 7, 0, 2, 9, 5$: _____
10. Least six-digit number using $4, 7, 0, 2, 9, 5$: _____
11. Greater number: $915,008$ or $905,810$ _____
12. $936,081 = 900,000 +$ _____ $+ 6,000 + 80 + 1$
13. $482,910 - 428,901 =$ _____
14. Six hundred seventy thousand, fifteen: _____

## Word Problems

15. A summer fair report says seven hundred five thousand, eighteen people visited. Standard form: _____
16. Two stadium gates counted $750,108$ and $705,810$ entries. Greater count: _____
17. A warehouse inventory is written as $400,000 + 30,000 + 6,000 + 90 + 2$. Number: _____
18. A district report lists $608,041$ students. Complete the word form: six hundred eight thousand, _____
19. Three fundraising totals are $318,250$, $381,205$, and $318,520$. Least total: _____
20. A lock code must use $9, 4, 2, 0, 6, 1$ once. Greatest possible code: _____

## More Practice

21. Expand $305,018$: _____
22. $400,000 + 60,000 + 700 + 2$: _____
23. Nine hundred twelve thousand, six: _____
24. $681,240$ ___ $618,420$
25. Least of $507,090, 570,009, 507,900$: _____
26. Greatest using $3, 8, 1, 0, 6, 4$: _____
27. Expand $92,041$: _____
28. Four hundred eight thousand, ninety: _____
29. $729,501$ ___ $729,510$
30. Greatest of $830,105, 803,510, 830,015$: _____
31. $700,000 + 2,000 + 80 + 5$: _____
32. Least using $9, 2, 7, 0, 5, 1$: _____


Scan Me

Summer Bridge

Grade 5 to 6 Math

2

# Week 2: Decimal Fluency

Five focused days: learn the idea, study the examples, then practice before moving to the next day.

## Big Idea

Decimals become easier when place value stays visible. This week strengthens comparing, rounding, and computing with decimals so students can enter Grade 6 ready for multi-step decimal problems.

## Week Plan

| | | codes |
|---|---|---|
| 1. | Day 1: Decimal Place Value to Thousandths | 5.4 |
| 2. | Day 2: Comparing and Rounding Decimals | 5.4, 5.5 |
| 3. | Day 3: Adding and Subtracting Decimals | 5.8, 6.6 |
| 4. | Day 4: Multiplying Decimals | 5.8, 6.6 |
| 5. | Day 5: Dividing Decimals | 5.8, 6.6 |

# Day 1 Decimal Place Value to Thousandths

5.4

### Big Idea

Decimals are built from tenths, hundredths, and thousandths. Naming each place helps students compare and operate with decimals accurately.

### ✓ Learn to:

- Recognize when a problem is asking for decimal place value.
- Use a clear step-by-step method instead of mental shortcuts only.
- Check whether the final answer fits the question and units.

## The Meaning

Decimals are built from tenths, hundredths, and thousandths. Naming each place helps students compare and operate with decimals accurately. For summer bridge work, the goal is to rebuild the habit behind the skill, not just finish a page of problems. Read the quantities, choose a representation or operation, and keep the answer connected to the situation.

### Bridge Habit

Read digits after the decimal by their final place value. Attach zeros only when they help show place value.




### Tenths are larger than hundredths

One tenth is bigger than one hundredth, even though 100 is larger than 10.

### Example 1: Name decimal values

**Question: In** $18.407$**, what is the value of the digit** $4$**?**

**First:** The first digit after the decimal is the tenths place.
**Next:** The 4 is in the tenths place.
**Then:** Its value is 4 tenths, or 0.4.

☞ ***Result:*** $0.4$

### Example 2: Build a decimal from parts

**Question: Write** $6 + 0.3 + 0.08 + 0.005$ **as one number.**

**First:** Line up tenths, hundredths, and thousandths.
**Next:** The decimal has 3 tenths, 8 hundredths, and 5 thousandths.
**Then:** Combine the parts.

☞ ***Result:*** $6.385$

# Day 1: Practices:

## Skill Practice

1. Value of 6 in 12.604: _____
2. Value of 9 in 0.391: _____
3. 4 ones, 7 tenths, 2 hundredths: _____
4. 8 tenths and 5 thousandths: _____
5. Expanded form of 6.208: _____
6. 0.034 in words: _____
7. Value of 5 in 9.015: _____
8. Hundredths digit in 14.269: _____
9. 3.4 = _____ tenths
10. 0.72 = _____ hundredths
11. 5.006 = _____ thousandths
12. 0.9 = _____ thousandths
13. Value of 7 in 5.472: _____
14. 6.090 in expanded form: _____
15. 0.508 = _____ thousandths
16. Thousandths digit in 23.641: _____

## Word Problems

17. A robotics team cuts a cable 14.607 meters long. Value of the 6: _____
18. A recipe test uses 0.482 kilogram of flour. Value of the 8: _____
19. A timing app records 9 tenths of a second plus 3 thousandths. Decimal: _____
20. A rain gauge shows 7 inches, 5 hundredths, and 2 thousandths. Decimal: _____
21. A file size is 3.409 megabytes. The value of the 9 is _____
22. A soil sample weighs 0.75 kilogram. That is _____ thousandths of a kilogram.

## More Practice

23. Value of 7 in 8.724: _____
24. Value of 2 in 0.426: _____
25. 5 ones, 9 tenths, 6 thousandths: _____
26. 0.48 = _____ hundredths
27. Thousandths digit in 12.389: _____
28. 6.072 in expanded form: _____
29. Value of 5 in 0.058: _____
30. 3 tenths and 4 thousandths: _____
31. 2.105 = _____ thousandths
32. Hundredths digit in 7.614: _____
33. Value of 8 in 14.086: _____
34. 9 ones and 2 hundredths: _____
35. 0.7 = _____ thousandths
36. Value of 3 in 5.132: _____
37. Tenths digit in 0.604: _____
38. 4.009 in words: _____
39. 0.056 = _____ thousandths
40. 8 tenths and 1 thousandth: _____