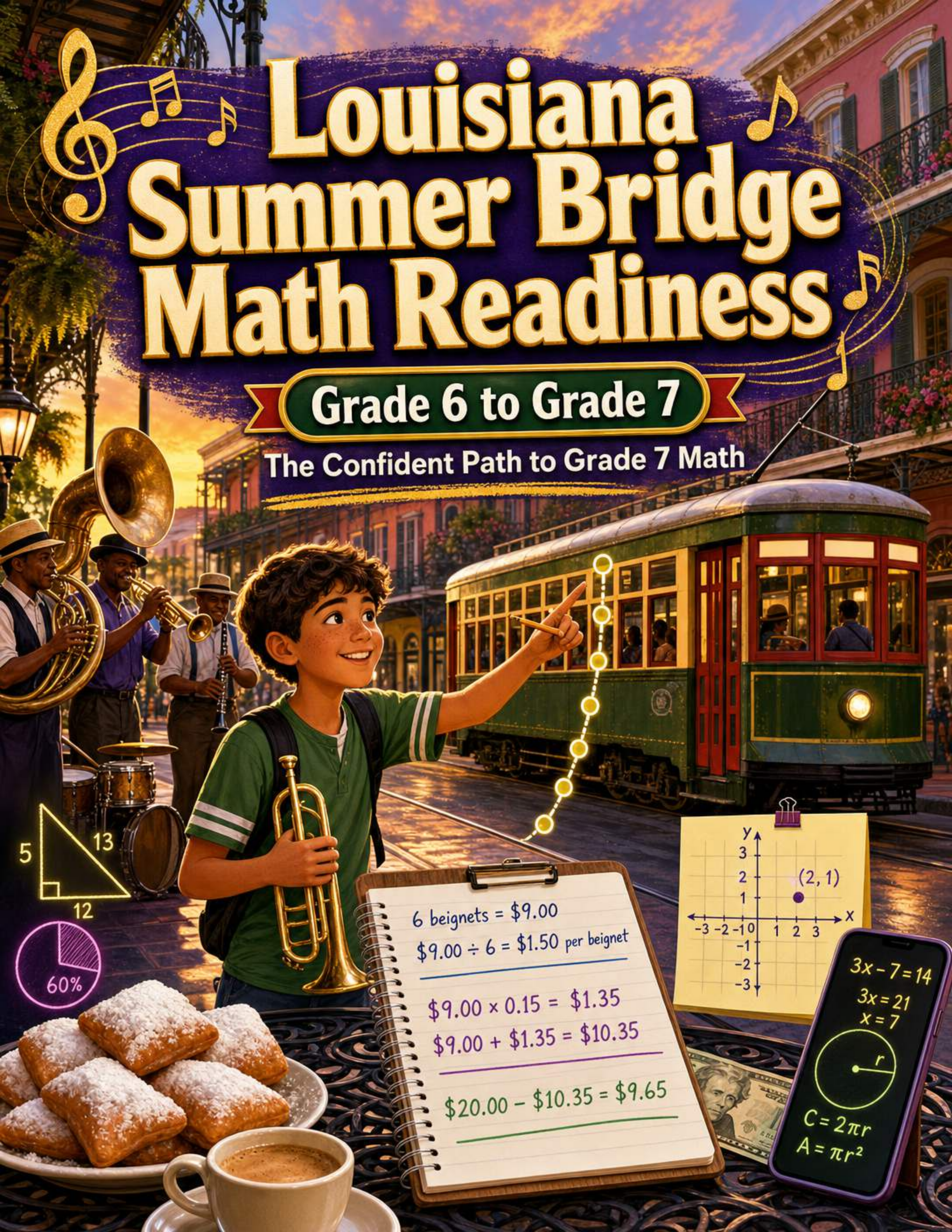

Louisiana Summer Bridge Math Readiness
Grade 6 to Grade 7
The Confident Path to Grade 7 Math
5
13
12
60%
6 beignets = $9.00
$9.00 ÷ 6 = $1.50 per beignet
$9.00 × 0.15 = $1.35
$9.00 + $1.35 = $10.35
$20.00 − $10.35 = $9.65
y
x
(2, 1)
3x − 7 = 14
3x = 21
x = 7
r
C = 2πr
A = πr²

GRADE 6 TO 7

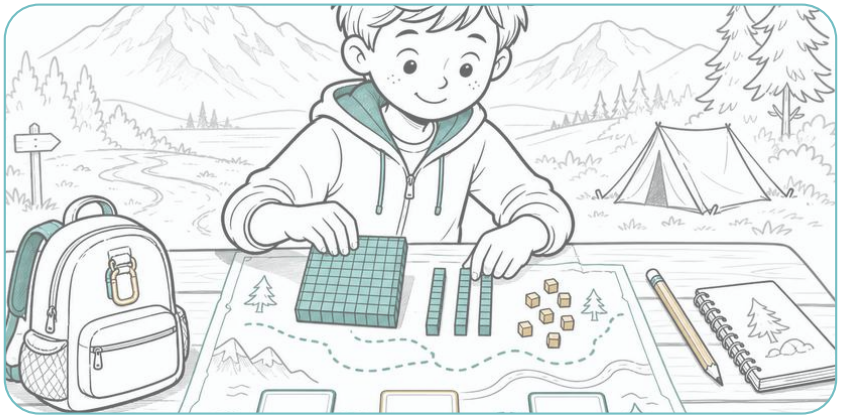
Summer Bridge

MATH SUMMER BRIDGE

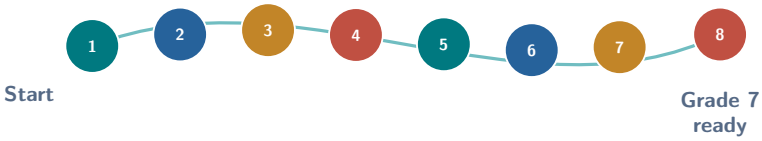
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Grade 6 to 7 Math

8-Week Summer Bridge



40 focused practice days • weekly activities + games • answer key



Review **Preview** **Practice** **Celebrate**

A steady bridge from Grade 6 skills into confident Grade 7 readiness.

Reza Nazari

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Louisiana Grade 6 to 7 Summer Bridge

By Reza Nazari

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Week 1

Ratios, Rates, and Proportions

Comparing two quantities and finding the rate that ties them together.



Bridge goal: Lock in the ratio and unit-rate habits that Grade 7 proportional reasoning is built on.

D1 D2 D3 D4 D5 Game 1 Game 2

Scan Me

☐ A. 3 : 1

☐ C. 5 : 1

☐ B. 4 : 1

☐ D. 1 : 4

9. A parking lot has 14 cars and 6 trucks. Write the ratio of trucks to *all* vehicles in simplest form.

☐ **A.** 6 : 14

☐ **C.** 7 : 10

☐ **B.** 3 : 10

☐ **D.** 10 : 3

10. In a chess club, the ratio of beginners to advanced players is 5:2. Which statement is correct?

☐ A. There are 5 advanced players for every 2 beginners.

☐ C. The total number of players is 7.

☐ B. For every 5 beginners, there are 2 advanced players.

☐ D. There are exactly 5 beginners and 2 advanced players.

11. A fruit juice blend contains 5 parts orange juice and 3 parts apple juice. What is the ratio of orange juice to the total amount of juice?

☐ A. 3:5

☐ C. 5:8

☐ B. 5:3

☐ D. 8:5

12. The visual cards show two parts of a group. What is the ratio of the first part to the second part in simplest form?

First part	Second part
4	4

☐ **A.** 1 : 2

☐ **C.** 1

☐ **B.** 4 : 4

☐ **D.** 1 : 1

★ Challenge! — Think a little deeper

13. In a club, the ratio of left-handed to right-handed students is 2 : 7. If there are 27 students in all, how many are left-handed?

☐ **A.** 7

☐ **C.** 9

☐ **B.** 6

☐ **D.** 18

14. A shelf holds 18 fiction and 12 nonfiction books. Write the ratio of nonfiction to fiction in simplest form.

☐ **A.** 3 : 2

☐ **C.** 4 : 9

☐ **B.** 2 : 3

☐ **D.** 6 : 5



Deep thinking: Show your strategy, then write and solve one harder version.

☐ **A.** 14
☐ **C.** 10
☐ **B.** 12
☐ **D.** 52

6. Bakery P bakes 18 cookies in 3 hours. Bakery Q bakes 28 cookies in 4 hours. Which bakery bakes faster?

☐ A. Bakery P bakes faster.
☐ C. Both bakeries bake at the same speed.
☐ B. Bakery Q bakes faster.
☐ D. Bakery Q because 28 is more than 18.

7. Athlete A swims 300 meters in 6 minutes. Athlete B swims 250 meters in 5 minutes. Who swims faster?

☐ A. Athlete A is faster.
☐ C. Both swimmers have the same speed.
☐ B. Athlete B is faster.
☐ D. Athlete A swam more meters, so is faster.

8. The visual cards show a distance and a time. What is the unit rate in miles per hour?

Distance	Time
36 miles	3 hours

☐ **A.** 10
☐ **C.** 14
☐ **B.** 39
☐ **D.** 12

9. Two juice companies are having a sale. Company X sells 24 ounces of juice for $6. Company Y sells 20 ounces of juice for $4. What is the unit price (in dollars per ounce) at the cheaper store? Round to the nearest cent.

Write your answer in this box.

10. Printer P prints 60 pages in 5 minutes. Printer Q prints 90 pages in 8 minutes. Which printer is faster?

☐ A. Printer P
☐ C. Both printers print at the same speed.
☐ B. Printer Q
☐ D. Printer Q printed more pages, so it is faster.

11. To compare two rates fairly, the best first step is to:

☐ **A.** add the two rates
☐ **C.** flip both ratios
☐ **B.** round both numbers
☐ **D.** find each unit rate

12. The visual cards show a distance and a time. What is the unit rate in miles per hour?

Distance	Time
32 miles	4 hours

☐ **A.** 10
☐ **C.** 36
☐ **B.** 8
☐ **D.** 6

★ Challenge!

Think a little deeper

13. Printer A makes 96 copies in 8 minutes. Printer B makes 75 copies in 5 minutes. Which printer is faster per minute?

☐ **A.** Printer A (12)

☐ **B.** Printer B (15)

☐ **C.** They tie

☐ **D.** Printer A (15)

14. Omar types 156 words in 3 minutes. Sofia types 210 words in 4 minutes. How many more words per minute does the faster typist type? Give your answer as a whole number or decimal.

Write your answer in this box.



Deep thinking: Show your strategy, then write and solve one harder version.

Scan Me

Day 5

D1 D2 D3 D4 D5 ★ Fun Review 6.RP.A.3



Solving Ratio Problems

Build a quick ratio table, then step it up or down to the value you need.

★ **Learn it** Most ratio problems can be solved three ways: build a **ratio table**, use a **scale factor**, or find the value of *one part*. The key is the multiplier between the amount you know and the amount you want. When a total is given, add the parts first.

Example. Cats to dogs is 3 : 5. If there are 15 cats, how many dogs?

⇒ From 3 cats to 15 cats is ×5. Scale the dogs the same way: $5 \times 5 = 25$ dogs.

1. In a pet store, the ratio of dogs to cats to fish is 2:3:5. There are 20 fish. How many dogs and cats are there altogether?

☐ A. 10

☐ C. 30

☐ B. 20

☐ D. 40

2. The visual cards show two parts of a group. What is the ratio of the first part to the second part in simplest form?

First part	Second part
7	7

☐ **A.** 1 : 2

☐ **C.** 1 : 1

☐ **B.** 1

☐ **D.** 7 : 7

3. A recipe mixes flour and sugar in the ratio 5:2. If there are 10 cups of flour, how many cups of sugar are needed?

☐ A. 2

☐ C. 7

☐ B. 4

☐ D. 20

4. A garden has red and yellow flowers in the ratio 7 : 4. If there are 44 flowers in all, how many are yellow?

☐ **A.** 28

☐ **C.** 11

☐ **B.** 16

☐ **D.** 20

5. The visual cards show two parts of a group. What is the ratio of the first part to the second part in simplest form?

First part	Second part
6	9