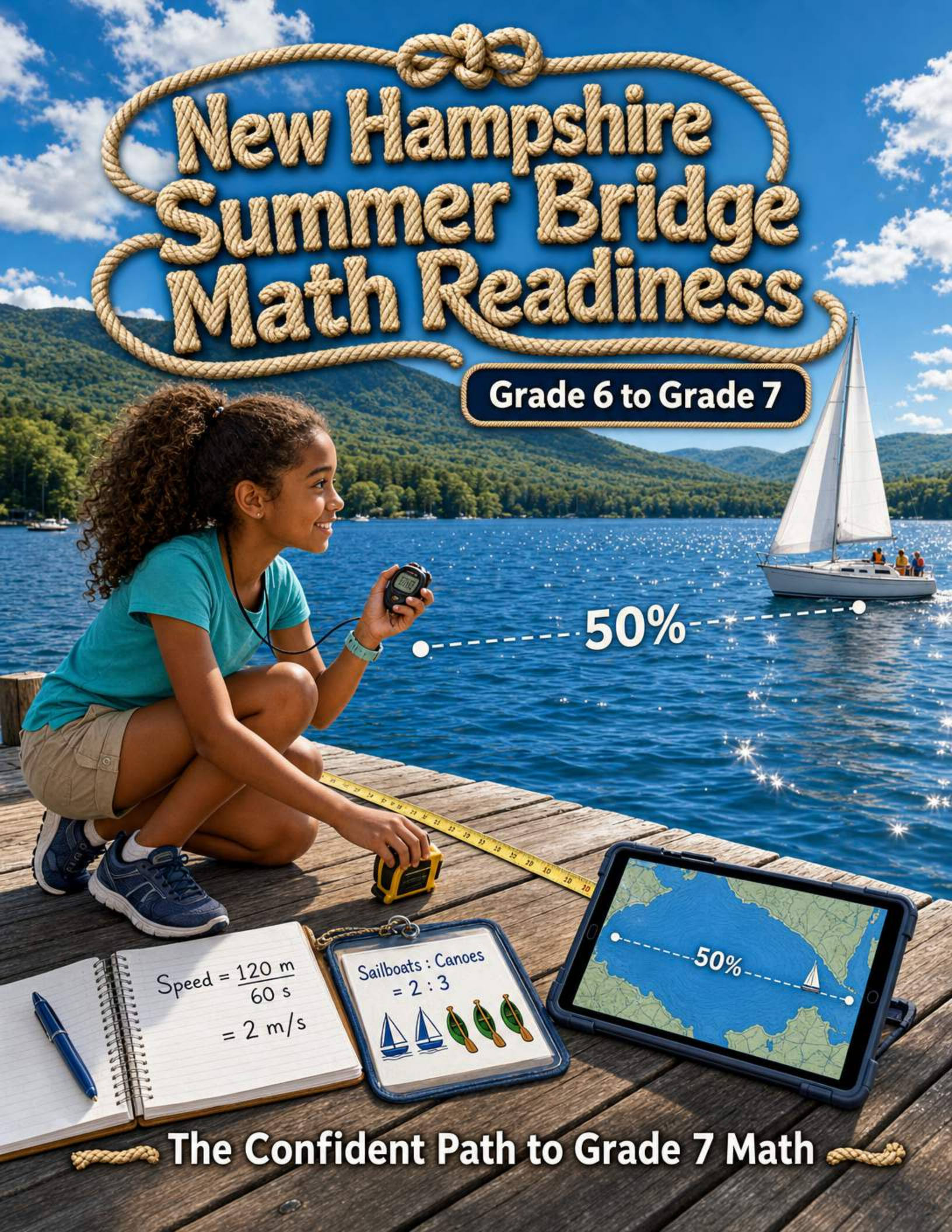

New Hampshire Summer Bridge Math Readiness
Grade 6 to Grade 7
50%
Speed = 120 m / 60 s
= 2 m/s
Sailboats : Canoes
= 2 : 3
50%
The Confident Path to Grade 7 Math

GRADE
6 TO 7

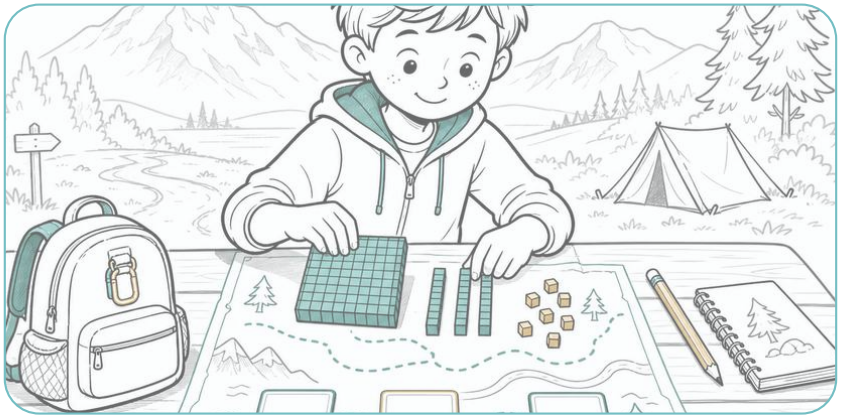
Summer Bridge

MATH
SUMMER
BRIDGE

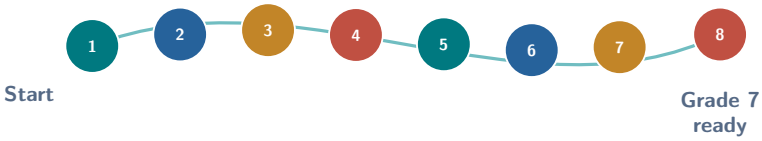
New Hampshire NHSAS

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

Effortless Math Education

Independent educational publishing

Published by Effortless Math Education

EffortlessMath.com

Independent Publication Notice

This publication is independently produced and has no official connection to any state, district, or testing program. Names used for state identity belong to their respective holders.

New Hampshire Grade 6 to 7 Summer Bridge

By Reza Nazari

Copyright © 2026 Effortless Math Education Inc.

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



Day 1

D1 D2 D3 D4 D5 ★ Fun Review 6.RP.A.1, 6.RP.A.3

Understanding Ratios

A ratio compares two amounts. Write them in the order the problem names, every time.

★ **Learn it** A **ratio** compares two quantities. You can compare one part with another part (*part-to-part*) or one part with the whole group (*part-to-whole*). The same ratio can be written three ways: with the word "to," with a colon, or as a fraction. Order matters — write the quantities in the order the problem names them. A ratio is in **simplest form** when both numbers share no common factor larger than 1.

Example. A bag has 6 red and 9 blue marbles. Write red to blue in simplest form.
⇒ Red to blue is 6 : 9. Both divide by 3, so the simplest form is 2 : 3.

1. A smoothie shop mixes 18 strawberries with 27 blueberries to make a fruit blend. What is the ratio of strawberries to blueberries in simplest form?

☐ A. 18:27
☐ C. 3:2
☐ B. 2:3
☐ D. 6:9

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
4	4

☐ **A.** 1 : 2
☐ **C.** 1
☐ **B.** 4 : 4
☐ **D.** 1 : 1

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

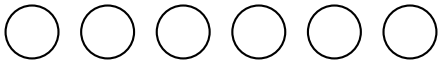
☐ **A.** 3 : 2
☐ **C.** 4 : 9
☐ **B.** 2 : 3
☐ **D.** 6 : 5

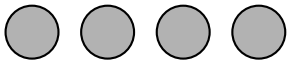
4. A fruit juice blend contains 5 parts orange juice and 3 parts apple juice. What is the ratio of orange juice to the total amount of juice?

☐ A. 3:5
☐ C. 5:8
☐ B. 5:3
☐ D. 8:5

5. The diagram shows circles representing marbles. What is the ratio of white marbles to gray marbles?

White Marbles





Gray Marbles

☐ A. 2 : 3

☐ C. 4 : 6

☐ B. 3 : 2

☐ D. 6 : 4

6. A fruit basket holds 4 pears and 6 apples. Write the ratio of pears to apples in simplest form.

☐ **A.** 2 : 3

☐ **C.** 4 : 6

☐ **B.** 3 : 2

☐ **D.** 2 : 5

7. 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?

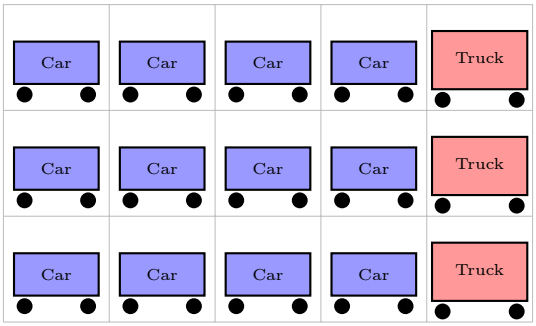
☐ **A.** 7

☐ **C.** 9

☐ **B.** 6

☐ **D.** 18

8. The parking lot diagram shows cars and trucks. What is the ratio of cars to trucks?



Parking Lot

☐ A. 3 : 1

☐ C. 5 : 1

☐ B. 4 : 1

☐ D. 1 : 4

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

Distance	Time
30 miles	5 hours

☐ **A.** 6
☐ **B.** 35
☐ **C.** 8
☐ **D.** 4

★ Challenge! Think a little deeper

13. A car uses 12 gallons of gas to travel 360 miles. Find the unit rate in miles per gallon and show your division.

Write your answer in this box.

14. A printer prints 24 pages in 4 minutes. How many pages does it print per minute?

☐ **A.** 8
☐ **B.** 20
☐ **C.** 96
☐ **D.** 6



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



Day 4

D1 D2 D3 D4 D5

★ Fun Review A.3d, 6.RP.A.3b

Comparing Rates

Shrink each rate down to its unit rate, then the better or faster one is easy to spot.

★ **Learn it** To compare two rates fairly, turn each one into a **unit rate** first — the "per one" amount — then compare. For speed, the *higher* unit rate is faster. For price, the *lower* unit rate is the better buy. Decide which direction counts as "better" before you choose.

Example. Which is cheaper: 3 cans for \$2.40 or 5 cans for \$4.00?

$\Rightarrow$ \$2.40 ÷ 3 = \$0.80 per can; \$4.00 ÷ 5 = \$0.80 per can. They cost the same per can.

1. Team A scored 48 points in 4 games. Team B scored 42 points in 3 games. Which team scores more per game?

☐ **A.** Team A (12)
☐ **C.** Team A (14)
☐ **B.** They tie
☐ **D.** Team B (14)

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

Distance	Time
27 miles	3 hours

☐ **A.** 9
☐ **C.** 30
☐ **B.** 11
☐ **D.** 7

3. Train A travels 360 miles in 8 hours. Train B travels 330 miles in 6 hours. Which train travels faster?

☐ A. Train A is faster.
☐ C. Both trains travel at the same speed.
☐ B. Train B is faster.
☐ D. Train A because it travels more miles total.

4. 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.

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

Distance	Time
18 miles	3 hours

☐ **A.** 6
☐ **C.** 21
☐ **B.** 4
☐ **D.** 8

Scan Me

6. Store M sells 5 pounds of rice for $12. Store N sells 8 pounds of rice for $20. Which store has the better price per pound?

☐ A. Store M is cheaper.

☐ B. Store N is cheaper.

☐ C. Both stores have the same price per pound.

☐ D. Store M because it sells more pounds for less money.

7. Runner X runs 5 miles in 40 minutes. Runner Y runs 4 miles in 32 minutes. Who is faster?

☐ A. Runner X

☐ B. Runner Y

☐ C. Both runners are equally fast.

☐ D. Runner X ran fewer miles, so Runner Y is faster.

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

Distance	Time
60 miles	4 hours

☐ **A.** 13

☐ **B.** 15

☐ **C.** 17

☐ **D.** 64

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. 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.

☐ B. Bakery Q bakes faster.

☐ C. Both bakeries bake at the same speed.

☐ D. Bakery Q because 28 is more than 18.

11. Store X sells 5 pens for $4.00. Store Y sells 8 pens for $6.00. Which store is cheaper per pen?

☐ **A.** Store X ($0.80)

☐ **B.** Same price

☐ **C.** Store X ($0.75)

☐ **D.** Store Y ($0.75)

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

Distance	Time
30 miles	2 hours

☐ **A.** 17

☐ **B.** 13

☐ **C.** 32

☐ **D.** 15