



GREEN VALE  
S C H O O L

## 2026 Summer Work

### - Entering 5<sup>th</sup> Grade -

Dear Rising Fifth Grade Students,

Happy summer break! Attached you will find the **required** summer math and reading assignments. This summer, you are required to read **at least two** books of your choice and the **one assigned** book. (If you're unsure what to read for your books of choice, please refer to the suggested book list included in this packet for fifth graders.)

#### **REQUIRED READING: *Save Me A Seat* by Sarah Weeks**

You should read this book in the latter part of the summer. Please complete the assignment provided prior to your arrival in September. This assignment will be collected during the 1<sup>st</sup> week of school. *Save Me A Seat* will be the focus of reading in the beginning of the new school year.

#### **REQUIRED MATH: Big Ideas Math Packet**

You need to complete the packet by the end of the summer. Please return the packet in the fall to your Grade Five Homeroom teacher.

You'll also find **optional activities on the Summer Hub from your Specialists teachers**—fun ways to stay connected to art, music, physical education, and other creative pursuits throughout the summer.

Enjoy!

See you soon,

The Fourth Grade Team and Ms. Michaud



# Summer Reading Assignments

*Students Entering 5th Grade*



Read, Read, Read!

You are to read a minimum of three (3) books this summer-2 books of your choice and 1 required.

- **CHOICE BOOK ASSIGNMENT:** By July 31st, you are to have finished reading one of the books of your choice. Upon completion, please write a letter to your "English-teacher-to-be" using the guidelines below:

## **Letter Guidelines:**

1. The length of the letter should be three paragraphs. Please use loose-leaf paper, a pencil, and skip lines.
2. In paragraph one, provide a summary of the plot. This should be approximately five to seven sentences. As always, vocabulary, use of descriptive words, spelling and sentence structure are important.
3. In paragraph two, explain what you liked or did not like about this book. Would you recommend it to a friend? Why? Make sure to list clear reasons.
4. In the final paragraph, explain what you have been doing during the summer. Write about something you have enjoyed.

**The letter should be sent to the address below when completed:**

**English Teacher of (Your Name)  
Green Vale School  
250 Valentines Lane  
Glenn Head, New York 11545**

- **REQUIRED READING: Save Me a Seat by Sarah Weeks**

You should read this book in the latter part of the summer. Please complete the assignments provided prior to your arrival in September. This work will be collected during the first week of school. Save Me a Seat will be the focus at the beginning of the new school year.



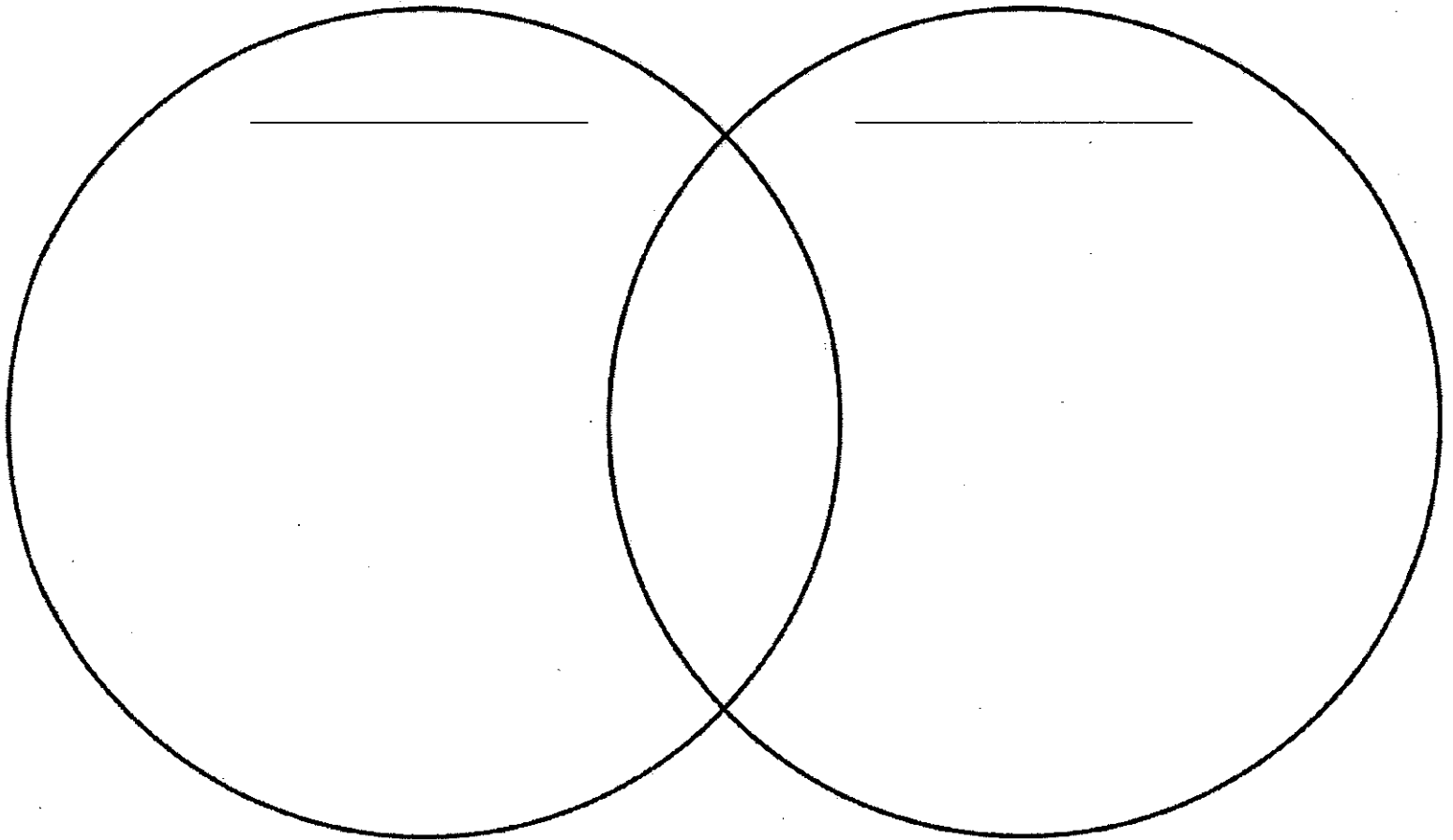
# **Save Me a Seat**

Gita Varadarajan & Sarah Weeks

## **1. Venn Diagram**

Choose **two characters** from the story to compare and contrast.

Then, write **one complete paragraph** explaining how the two characters are similar and different. Be sure to include details and examples from the book to support your ideas.



[illegible]

## 2. Quote Analysis

Choose **ONE** of the following quotes from the novel to explain. In a well-developed paragraph, describe:

- What the quote means
- Which character said or thought it
- What was happening in the story at that moment
- Why the quote is important to the overall message of the book

### Quotes:

"Quitting is not an option." (pg. 197)

"There's more to me than meets the eye." (pg. 211)

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### 3. Theme / Message of the Novel

What is the overall message or theme of *Save Me a Seat*? What do you think Sarah Weeks and Gita Varadarajan wanted readers to learn from this story? Explain your answer using examples from the book.

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### 5th Grade Books

Alvin Ho (series) by Lenore Look  
Bad Kitty Chapter Books (series) by Nick Bruel  
Bermuda Triangle by Andrew Donkin  
The Carver Chronicles (series) by Karen English  
Chocolate Fever by Robert Kimmel Smith  
Clubhouse Mysteries (series) by Sharon M. Draper  
Encyclopedia Brown by Leonard W. Shortall  
George's Marvelous Medicine by Roald Dahl  
Fantastic Mr. Fox by Roald Dahl  
George's Marvelous Medicine by Roald Dahl  
Gooseberry Park by Cynthia Rylant  
Here's Hank (series) by Henry Winkler and Lin Oliver  
The Hundred Dresses by Eleanor Estes  
Jake Maddox Girl Sports Stories (series) by Jake Maddox  
Johnny Appleseed by Steven Kellogg  
The Magic Shop (series) by Kate Egan  
Rattlesnakes by Sandra Markle  
Sideways Stories from Wayside School by Louis Sachar  
Thank You Jackie Robinson by Barbara Cohen  
Tut's Mummy Lost...and Found-Judy Donnelly/James Watling  
The Twits by Roald Dahl  
The World According to Humphrey (series) by Britt Birney  
The Adventures of a South Pole Pig by Chris Kurts  
Amazing but True Sports Stories by Phyllis and Zander Hollander  
Anastasia On Her Own (series) by Lois Lowry  
Arctic Lights, Arctic Nights-Jon Van Zyle/Debbie S. Miller  
Bless This Mouse by Lois Lowry  
Bunnicula (series) by James Howe  
Dear Mr. Henshaw by Beverly Cleary  
Dragon Quest by Jackie French Koller  
Fourth Grade Celebrity by Patricia Giff  
Fudge-a-Mania by Judy Blume  
Goonie Bird (series) by Lois Lowry  
The Great Wall of China-Leonard Everett Fisher  
Homer Price by Robert McCloskey  
I Survived (series) by Lauren Tarshis  
Little House on the Prairie (series) by Laura Ingalls Wilder  
Mason Dixon (series) by Claudia Mills



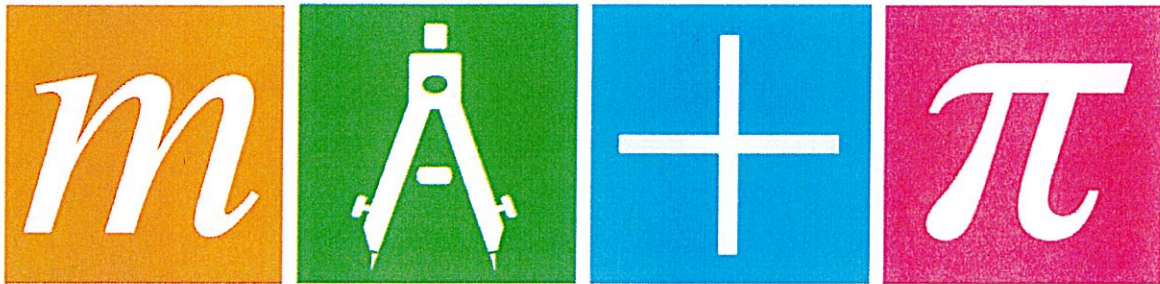


Mr. Popper's Penguins by Richard Atwater  
Oggie Cooder by Sarah Weeks  
Pie by Sarah Weeks  
Standing Tall and Talented (series) by Amare' Stoudemire  
Tales of a 4th Grade Nothing by Judy Blume  
Twenty-One Elephants Still Standing by April Jones Prince  
Star Wars, The Clone Wars (series) by Ryder Windham  
Super Fudge (and other titles in series) by Judy Blume  
The Whipping Boy by Sid Fleischman  
The Amazing Days of Abby Hayes (series) by Anne Mazer  
The Borrowers by Mary Norton  
Brian's Winter by Gary Paulsen Charlotte's Web by E.B. White  
Charlie and the Chocolate Factory by Roald Dahl  
Charlie and the Great Glass Elevator by Roald Dahl  
Chocolate by Hershey: A Story about Milton S. Hershey by Betty Burford  
Crocodiles by Sandra Markle  
Dear Mr. Hemshaw by Beverly Cleary  
Desert Giant by Barbara Bash  
Frindle by Andrew Clements  
Glitter Girls and the Great Takeout (and other titles in series) by Meg Cabot  
Greetings from Nowhere by Barbara O'Connor  
The Hardy Boys (series) by Franklin W. Dixon  
Hatchet by Gary Paulsen  
The Indian in the Cupboard by Lynne Reid Banks  
Jennifer Murdley's Toad by Bruce Coville  
Jeremy Thatcher Dragon Hatcher by Bruce Coville  
The Library Card by Jerry Spinelli  
Lions by Sandra Markle  
Otherwise known as Sheila the Great by Judy Blume Owls by Sandra Markle  
The Report Card by Andrew Clements  
Rules by Cynthia Lord  
Saffy's Angels by Hilary McKay  
The School Story by Andrew Clements Shiloh by Phyllis Reynolds Naylor  
Stuart Little by E. B. White  
The Tale of Despereaux by Kate DiCamillo  
View From Saturday by E.L. Konigsburg



# Big Ideas Math

## SUMMER



## CHALLENGE

Please complete the **odd questions** and return the finished packet to your **5th grade teacher** on the first day of school!

Visit the GVS Summer Hub for printable vocabulary flash cards for extra practice!

Name: \_\_\_\_\_



Name \_\_\_\_\_

## Cumulative Practice

1-3

1. Which number is greater than 884,592?

- (A) 89,621                      (B) 884,592  
(C) 805,592                      (D) 894,592
- 

2. What is the difference of 30,501 and 6,874?



3. A teenager will send about 37,000 text messages within 1 year. Which numbers could be the exact number of text messages sent?

- |                                 |                                 |                                 |
|---------------------------------|---------------------------------|---------------------------------|
| <input type="checkbox"/> 37,461 | <input type="checkbox"/> 36,834 | <input type="checkbox"/> 37,050 |
| <input type="checkbox"/> 37,503 | <input type="checkbox"/> 36,006 | <input type="checkbox"/> 36,752 |
- 

4. What is the product of 4,582 and 6?

- (A) 27,492                      (B) 24,082  
(C) 27,432                      (D) 42,117
- 

5. Which expression is equal to  $246,951 + 73,084$ ?

- (A)  $246,951 + 70,000 + 3,000 + 800 + 40$       (B)  $246,951 + 7,000 + 300 + 80 + 4$   
(C)  $246,951 + 70,000 + 3,000 + 80 + 4$       (D)  $246,951 + 70,000 + 3,000 + 800 + 4$

6. Newton reads the number "four hundred six thousand, twenty-nine" in a book. What is this number written in standard form?

(A) 4,629

(B) 406,029

(C) 460,029

(D) 406,290

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7. Which expressions have a product of 225?

☐  $9 \times 25$

☐  $75 \times 3$

☐  $56 \times 4$

☐  $5 \times 45$

---

8. What is the greatest possible number you can make with the number cards below?

6

1

8

4

2

(A) 84,621

(B) 86,421

(C) 12,468

(D) 68,421

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9. What is the sum of 62,671 and 48,396?

(A) 111,067

(B) 11,067

(C) 100,967

(D) 100,067

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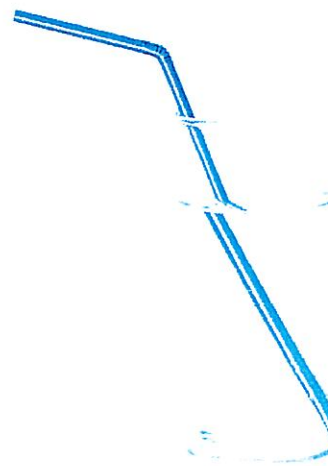
10. Your friend drinks 8 glasses of water each day. He wants to know how many glasses of water he will drink in 1 year. Between which two estimates is the number of glasses he will drink in a year?

(A) 2,400 and 3,200

(B) 240 and 320

(C) 3,200 and 4,000

(D) 320 and 400



11. Which statement about the number 420,933 is true?

- (A) The value of the 2 is 2,000.                      (B) The 4 is in the ten thousands place.
- (C) The value of the 3 in the tens place is ten times the value of the 3 in the ones place.                      (D) There are 9 tens.
- 

12. Descartes rounds to the nearest ten thousand and gets an estimate of 360,000. Which expressions could be the problem he estimated?

- ☐  $785,462 - 432,587$                       ☐  $480,012 - 127,465$
- ☐  $74,621 - 10,354$                       ☐  $398,650 - 41,579$
- 

13. There are 8 students in a book club. There are 5 times as many students in a drama club as the book club. How many students are in the drama club?

- (A) 13 students                      (B) 45 students
- (C) 3 students                      (D) 40 students
- 

14. The force required to shatter concrete is 3 times the amount of force required to shatter plexiglass. The force required to shatter plexiglass is 72 pounds per square foot. What is the force required to shatter concrete?

- (A) 216 pounds per square foot                      (B) 69 pounds per square foot
- (C) 75 pounds per square foot                      (D) 2,106 pounds per square foot
- 

15. Which number, when rounded to the nearest hundred thousand, is equal to 100,000?

- (A) 9,802                      (B) 83,016
- (C) 152,853                      (D) 46,921

16. You want to find  $5,193 \times 8$ . Which expressions show how to use the Distributive Property to find the product?

- ☐  $8 \times (5,000 + 100 + 90 + 3)$ 
☐  $(8 \times 5,000) + (8 \times 100) + (8 \times 90) + (8 \times 3)$
- ☐  $40,000 + 800 + 720 + 24$ 
☐  $(8 \times 3) + (8 \times 9) + (8 \times 1) + (8 \times 5)$

17. Use the table to answer the questions.

Think

Solve

Explain

**Part A** Five friends each buy all of the items listed in the table. Use rounding to find about how much money they spend in all.

| Trampoline Park Prices |       |
|------------------------|-------|
| Item                   | Price |
| 90-minute jump pass    | \$21  |
| Water Bottle           | \$8   |
| T-shirt                | \$15  |

**Part B** An Ultimate Package costs \$40 and includes all of the items listed in the table. About how much money would the 5 friends have saved in all if they would have bought an Ultimate Package instead of purchasing the items individually? Explain.

18. A pair of walruses weigh 4,710 pounds together. The female weighs 1,942 pounds. How much more does the male weigh than the female?

- (A) 826 pounds
(B) 6,652 pounds
- (C) 2,768 pounds
(D) 2,710 pounds

19. You use compensation as shown. What is the final step?

6,325  
- 2,258  
-----

- 58

→

6,325  
- 2,200  
-----

4,125

- (A) Add 58 to 4,125.
(B) Subtract 58 from 4,125.
- (C) Subtract 4,125 from 6,325.
(D) There is no final step. You are finished.

Name \_\_\_\_\_

## Cumulative Practice

1-7

1. Which number is a common factor of 12, 16, and 40?

(A) 5

(B) 8

(C) 3

(D) 4

2. Which statements describe the difference of 77,986 and 21,403?

☐ The difference is greater than 60,000.

☐ The difference is about 60,000.

☐ The difference is less than 60,000.

☐ The difference is 56,583.

3. Which product is between 5,050 and 5,100?

(A)  $652 \times 8$

(B)  $566 \times 9$

(C)  $1,023 \times 5$

(D)  $1,257 \times 4$

4. Use the advertisement to answer the question.

**CAR FOR SALE**

- ✓ 84,700 miles (rounded to the nearest 100)
- ✓ New tires
- ✓ Clean interior



Real 3-yr/36,000 mi warranty

2008 Honda Civic

What is the greatest number of miles that the car could have been driven?

(A) 84,699

(B) 84,750

(C) 84,749

(D) 84,650

5. Which multiplication expressions could be represented by the area model?



- ☐  $84 \times 34$ 
☐  $42 \times 68$
- ☐  $240 \times 10$ 
☐  $20 \times 6$

6. Your neighbor buys yogurt in packages of 4. If your neighbor only buys complete packages, how many yogurts could he have bought?

- ☐ (A) 2
 ☐ (B) 20
- ☐ (C) 34
 ☐ (D) 18

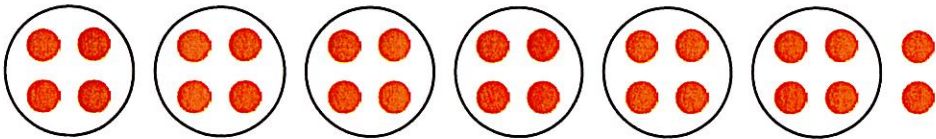


7. Which fraction makes the statement true?

$$? < \frac{6}{8}$$

- ☐ (A)  $\frac{1}{4}$ 
☐ (B)  $\frac{7}{8}$
- ☐ (C)  $\frac{6}{6}$ 
☐ (D)  $\frac{3}{4}$

8. Which division equation is represented by the counters?



- ☐ (A)  $6 \div 4 \stackrel{?}{=} 2$ 
☐ (B)  $26 \div 6 \stackrel{?}{=} 2 \text{ R}4$
- ☐ (C)  $26 \div 6 \stackrel{?}{=} 4$ 
☐ (D)  $26 \div 6 \stackrel{?}{=} 4 \text{ R}2$

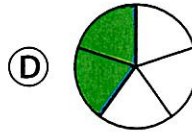
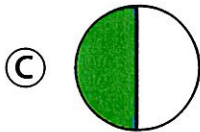
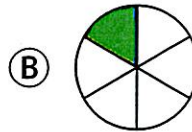
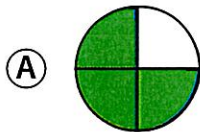
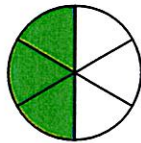
9. Which statements are true?

- ☐ All prime numbers are odd.      ☐ A composite number cannot have 3 factors.
- ☐ 99 is a prime number.      ☐ A prime number's factors are 1 and itself.
- ☐ 27 is a composite number.      ☐ All even numbers greater than 1 are composite.

10. What is the quotient of 3,258 and 3?



11. Which model shows an equivalent fraction for the fraction shown by the model below?



12. What is the product of 68 and 45?

- (A) 8,420      (B) 3,060
- (C) 612      (D) 27,360

13. Which pattern uses the same rule as the pattern below?

2, 10, 18, 26, 34, 42

- (A) 15, 23, 31, 39, 47, 55      (B) 5, 25, 125, 625, 3,125, 15,625
- (C) 70, 62, 54, 46, 38, 30      (D) 25, 34, 43, 52, 61, 70

14. Which statements are true?

☐  $\frac{1}{5} \stackrel{?}{=} \frac{2}{10}$

☐  $\frac{1}{3} \stackrel{?}{=} \frac{3}{9}$

☐  $\frac{1}{4} \stackrel{?}{=} \frac{1}{8}$

☐  $\frac{2}{8} \stackrel{?}{=} \frac{1}{4}$

☐  $\frac{4}{6} \stackrel{?}{=} \frac{2}{4}$

☐  $\frac{6}{12} \stackrel{?}{=} \frac{1}{2}$

15. **Part A** At a summer camp, 67 students are in a line to rent kayaks. Each kayak can hold 4 people. How many kayaks will be full?

Think  
Solve  
Explain



**Part B** How many kayaks will be used?

**Part C** How many students will be in the last kayak? Explain.

16. How many zeros will the product of 80 and 50 have?

(A) 1

(B) 2

(C) 3

(D) 4

17. There are 57 electronic books checked out of a library. There are 8 times as many printed books checked out as electronic books. How many total books are checked out of the library?

(A) 513

(B) 4,113

(C) 122

(D) 456

18. Which number is equal to  $100,000 + 5,000 + 80 + 4$ ?

(A) 1,584

(B) 105,084

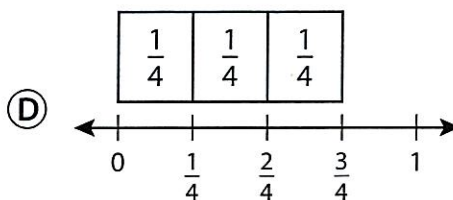
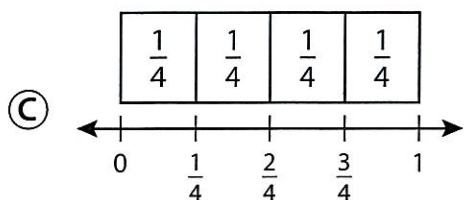
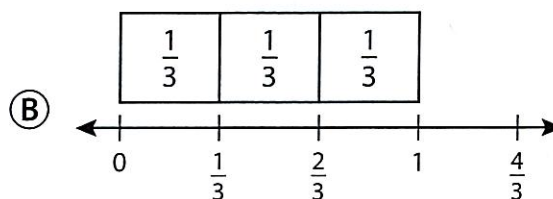
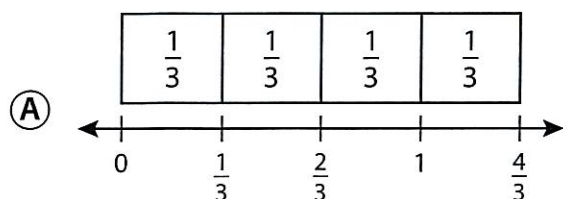
(C) 15,084

(D) 105,840

Name \_\_\_\_\_

# Cumulative Practice 1-11

1. Four laps around a track is equal to 1 mile. You run 3 laps around the track. Which number line shows how many miles you run?



2. When estimating to find the product of 25 and 32, which expressions will give an estimate that is greater than the product of 25 and 32?

☐  $30 \times 32$

☐  $25 \times 30$

☐  $25 \times 40$

☐  $20 \times 30$

3. A bottle of sand art is  $\frac{3}{8}$  full of purple sand and  $\frac{3}{8}$  full of blue sand. The rest of the bottle is full of green sand. How much of the bottle is filled with both purple sand and blue sand?

(A)  $\frac{6}{16}$

(B)  $\frac{2}{8}$

(C)  $\frac{6}{8}$

(D)  $\frac{5}{8}$

4. Which statements are true?

☐ 5 minutes  $\stackrel{?}{=}$  300 seconds

☐ 8 days  $\stackrel{?}{=}$  192 hours

☐ 70 weeks  $\stackrel{?}{=}$  10 days

☐ 10 years  $\stackrel{?}{=}$  5,200 weeks

5. Compare the fractions using benchmarks. Which comparisons are true?

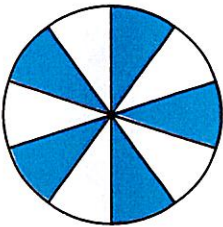
☐  $\frac{3}{4} \stackrel{?}{<} \frac{2}{8}$

☐  $\frac{10}{12} \stackrel{?}{>} \frac{3}{1}$

☐  $\frac{4}{8} \stackrel{?}{=} \frac{2}{4}$

☐  $\frac{1}{6} \stackrel{?}{<} \frac{4}{2}$

6. What number is shown by the model?



(A) 5.10

(B) 0.510

(C) 0.5

(D) 0.05

7. Which fraction *cannot* be written as a mixed number?

(A)  $\frac{5}{2}$

(B)  $\frac{12}{10}$

(C)  $\frac{8}{3}$

(D) All of the fractions can be written as mixed numbers.

8. What is the missing number in  $\_\_\_\_\_ \div 2 = 400$ ?

(A) 200

(B) 800

(C) 8,000

(D) 600

9. Which statements are true?

☐ 1,000 centimeters  $\stackrel{?}{=}$  1 meter

☐ 10 millimeters  $\stackrel{?}{=}$  1 centimeter

☐ 1,000 meters  $\stackrel{?}{=}$  1 kilometer

☐ 100 millimeters  $\stackrel{?}{=}$  1 meter

10. Multiply  $2 \times 3\frac{5}{6}$ .

(A)  $6\frac{5}{6}$

(B)  $7\frac{4}{6}$

(C) 5

(D)  $\frac{5}{36}$

11. Which one does *not* belong?

(A)  $\frac{3}{10}$

(B) 0.30

(C) 0.03

(D)  $\frac{30}{100}$

12. Which expression shows  $\frac{4}{3}$  as a sum of unit fractions?

(A)  $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

(B)  $\frac{2}{3} + \frac{2}{3}$

(C)  $\frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

(D)  $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} + \frac{1}{3}$

13. Look at the dot pattern below. How many dots are in the 112th figure?



Figure 1



Figure 2



Figure 3

14. Which show 5 hundredths?

☐  $\frac{5}{100}$

☐  $\frac{5}{10}$

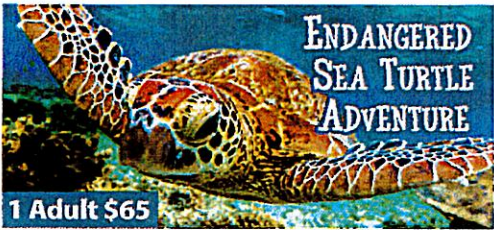
☐ 0.5

☐ 0.05

15. A child ticket costs \$12 less than an adult ticket. In 1 day, 25 adult tickets and 34 child tickets are sold.

Think  
Solve  
Explain

**Part A** How much money was raised from adult tickets?



**Part B** How much money was raised from child tickets?

**Part C** How much more money was raised from child tickets than from adult tickets? Explain.

16. Which measures are equivalent to 8 gallons?

- ☐ 2 quarts                      ☐ 64 pints
- ☐ 1 pint                         ☐ 32 quarts

17. You want to find  $4 \times 598$  using the Distributive Property. You begin solving as shown. What is your next step?

$$4 \times 598 = 4 \times (600 - 2)$$

- (A)  $4 \times 600 \times 2$                       (B)  $(4 \times 600) + (4 \times 2)$
- (C)  $(4 \times 600) - (4 \times 2)$                       (D)  $(4 \times 600) - 2$

18. A recipe calls for  $\frac{3}{4}$  cup of peanut butter. You make 3 batches of the recipe. Which expressions show how many cups of peanut butter you use?

- ☐  $2 + \frac{1}{4}$                                       ☐  $3 + \frac{3}{4}$
- ☐  $\frac{3 \times 3}{4}$                                       ☐  $3 \times (3 \times \frac{1}{4})$

Name \_\_\_\_\_

# Cumulative Practice 1-14

1. What is the difference of 10 and  $4\frac{7}{8}$ ?

(A)  $6\frac{7}{8}$

(B)  $14\frac{7}{8}$

(C)  $5\frac{1}{8}$

(D)  $7\frac{3}{8}$

2. Which letters have at least one line of symmetry?

☐ A

☐ X

☐ N

☐ W

☐ Z

☐ H

3. The table shows the amount of rain that falls in each city in 1 day. Which city has more rainfall than Detroit and less rainfall than Seattle?

(A) Orlando

(B) Chicago

(C) Boston

(D) None of the cities

| City    | Amount of Rain (centimeters) |
|---------|------------------------------|
| Detroit | 0.45                         |
| Chicago | 0.72                         |
| Boston  | 1.55                         |
| Seattle | 0.85                         |
| Orlando | 0.96                         |

4. Which shapes have four sides with the same length?

☐ rhombus

☐ trapezoid

☐ square

☐ equilateral triangle

5. A movie starts at 2:55 P.M. and ends at 4:45 P.M. How long was the movie?

(A) 2 hours 30 minutes

(B) 1 hour 50 minutes

(C) 7 hours

(D) 1 hour 45 minutes

5. Which are equivalent to  $3 \times \frac{5}{6}$ ?

☐  $\frac{5}{6} + \frac{5}{6} + \frac{5}{6}$

☐  $(3 \times 5) \times \frac{1}{6}$

☐  $\frac{8}{6}$

☐  $\frac{15}{6}$

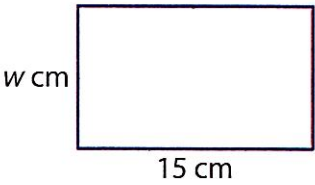
7. The rectangle has a perimeter of 48 centimeters. What is the width of the rectangle?

☐ 33 cm

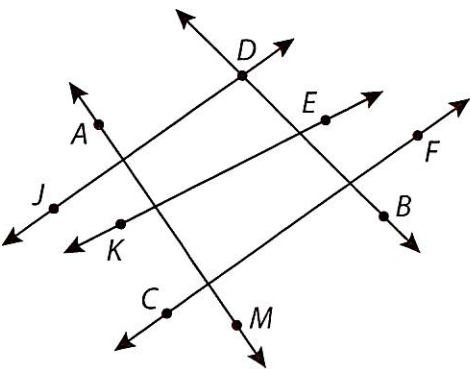
☐ 720 cm

☐ 18 cm

☐ 9 cm



3. Which two lines appear to be parallel?



☐  $\overleftrightarrow{JD}$  and  $\overleftrightarrow{CF}$

☐  $\overleftrightarrow{JD}$  and  $\overleftrightarrow{AM}$

☐  $\overleftrightarrow{JD}$  and  $\overleftrightarrow{KE}$

☐  $\overleftrightarrow{DB}$  and  $\overleftrightarrow{AM}$

9. Your friend draws a triangle with side lengths of 10 centimeters, 12 centimeters, and 10 centimeters. What type of triangle did your friend draw?

☐ scalene

☐ equilateral

☐ isosceles

☐ equiangular

10. What is the quotient of 846 and 3?

(A) 282

(B) 280

(C) 28

(D) 2,538

11. Which rectangular dimensions have an area of 3,600 square miles?

☐ 72 miles long and 50 miles wide

☐ 1,000 miles long and 800 miles wide

☐ 75 miles long and 48 miles wide

☐ 80 miles long and 45 miles wide

12. The angle measures of a triangle are  $57^\circ$ ,  $60^\circ$ , and  $63^\circ$ . How can you classify the triangle?

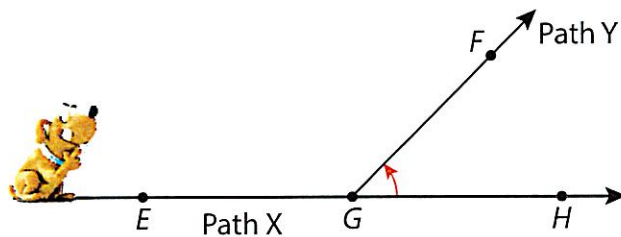
(A) right

(B) obtuse

(C) equiangular

(D) acute

13. Newton is walking on Path X that continues straight ahead. He turns onto Path Y.



Using a protractor, which statement is true about  $\angle FGH$ ?

(A) The angle is  $45^\circ$ , and is acute.

(B) The angle is  $45^\circ$ , and is obtuse.

(C) The angle is  $135^\circ$ , and is obtuse.

(D) The angle is  $135^\circ$ , and is acute.

14. You jump  $3\frac{1}{2}$  feet. How far do you jump in inches?



15. Which of the following shows  $\overrightarrow{DE}$ ?

- (A)
- (B)
- (C)
- (D)

16. A rectangular backyard has a perimeter of 280 feet. The length of the backyard is 75 feet. What is the area of the backyard?

- (A)

4,875 square feet
- (B)

825 square feet
- (C)

65 square feet
- (D)

140 square feet

17. Your friend makes a banner by taping the edges of 10 pieces of paper together. Each piece of paper is 28 centimeters long and 22 centimeters wide.



# CONGRATULATIONS!

**Part A** What is the length of the entire banner? Explain.

**Part B** Your friend wants to place ribbon along the outside of the entire banner. How much ribbon will she need?

# Reference Sheet

## Symbols

|          |              |             |                     |                           |                   |
|----------|--------------|-------------|---------------------|---------------------------|-------------------|
| $\times$ | multiply     | $^\circ$    | degree(s)           | $\overleftrightarrow{AB}$ | line $AB$         |
| $\div$   | divide       | $\perp$     | is perpendicular to | $\overrightarrow{AB}$     | ray $AB$          |
| $=$      | equals       | $\parallel$ | is parallel to      | $\overline{AB}$           | line segment $AB$ |
| $>$      | greater than | $A$         | point $A$           | $\angle ABC$              | angle $ABC$       |
| $<$      | less than    |             |                     |                           |                   |

## Money

|                               |                         |                                |
|-------------------------------|-------------------------|--------------------------------|
| $\text{¢}$ cent or cents      | 1 penny = 1¢ or \$0.01  | 1 quarter = 25¢ or \$0.25      |
| $\text{\$}$ dollar or dollars | 1 nickel = 5¢ or \$0.05 | 1 dollar (\$) = 100¢ or \$1.00 |
|                               | 1 dime = 10¢ or \$0.10  |                                |

## Length

| Metric                                  | Customary                     |
|-----------------------------------------|-------------------------------|
| 1 centimeter (cm) = 10 millimeters (mm) | 1 foot (ft) = 12 inches (in.) |
| 1 meter (m) = 100 centimeters           | 1 yard (yd) = 3 feet          |
| 1 kilometer (km) = 1,000 meters         | 1 mile (mi) = 1,760 yards     |

## Mass

 1 kilogram (kg) = 1,000 grams (g)

## Weight



1 pound (lb) = 16 ounces (oz)



1 ton (T) = 2,000 pounds

## Capacity

### Metric



1 liter (L) = 1,000 milliliters (mL)

### Customary



1 pint (pt) = 2 cups (c)



1 quart (qt) = 2 pints



1 gallon (gal) = 4 quarts

## Time



1 minute (min) = 60 seconds (sec)

1 hour (h) = 60 minutes

1 day (d) = 24 hours

1 week (wk) = 7 days

1 year (yr) = 12 months (mo)

1 year = 52 weeks

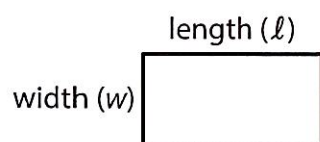
## Area and Perimeter

Area of a rectangle

$$A = \ell \times w$$

Perimeter of a rectangle

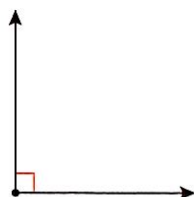
$$P = (2 \times \ell) + (2 \times w)$$



Perimeter of a polygon

$P = \text{sum of lengths of sides}$

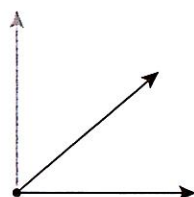
## Angles



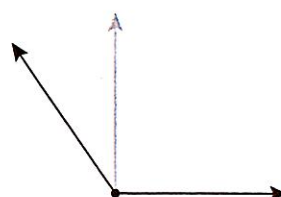
right angle



straight angle

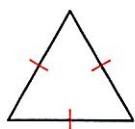


acute angle

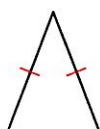


obtuse angle

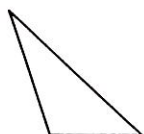
## Triangles



equilateral triangle



isosceles triangle



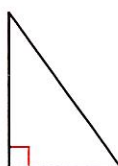
scalene triangle



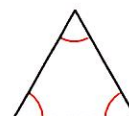
acute triangle



obtuse triangle

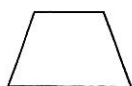


right triangle

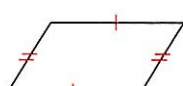


equiangular triangle

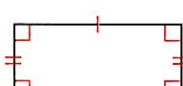
## Quadrilaterals



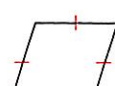
trapezoid



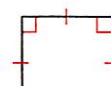
parallelogram



rectangle



rhombus



square

# Math Summer Work

## Notes for Next Year's Teacher

**Student's Name** \_\_\_\_\_ **September 2026 Grade** \_\_\_\_\_

**Directions:** As your child completes the assigned math homework, please complete the chart below with any applicable notes. Hand in the completed chart along with the rest of your child's summer homework on the first day of school. This will be used by teachers to help identify areas of support and/or enrichment as they get to know your child as a math student.

| Question Number(s)              | Skill                                                                                                            | Notes & Observations                                                                                                                                       |
|---------------------------------|------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Write the question numbers here | Write the name of the math skill that you observed here Ex: multiplication. If unsure, you can leave this blank. | Was the question difficult for your child? Did he/she require assistance? Was this question extremely easy for your child? Jot down anything of note here. |
|                                 |                                                                                                                  |                                                                                                                                                            |
|                                 |                                                                                                                  |                                                                                                                                                            |
|                                 |                                                                                                                  |                                                                                                                                                            |
|                                 |                                                                                                                  |                                                                                                                                                            |
|                                 |                                                                                                                  |                                                                                                                                                            |



# MATH FACT PRACTICE

## Summer Challenge

Color in each box that you complete!

| Grade 1->2: Add/Subtract within 10.                                                                                                     | Grade 2->3 Add/Subtract within 20                                                                                       | Grades 3,4,5 Multiply/Divide within 10                                                                            |
|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Play BINGO! Create bingo cards with answers and call out the problems!                                                                  | Write different numbers in chalk on the ground. Jump to different numbers, adding and subtracting on each jump!         | Write math facts in the sand at the beach!                                                                        |
| Math Staircase - put different numbers on each stair and add/subtract/multiply with each step!                                          | Water balloon toss! Write math facts on water balloons and have your child solve the problem before they can toss!      | Write numbers on the sidewalk in chalk. Adults say a math problem and kids spray water on the answer to erase it! |
| Math Facts WAR - each player flips over two playing cards and add/multiply, the person with the highest sum/product wins the cards!     | Give a math fact, swim that many laps in your favorite stroke!                                                          | Math Fact Basketball! Everytime you score a basket, complete a math fact to see how many points you get!          |
| Cover a beach ball with numbers. When you catch the ball, add, subtract, multiply or divide the two numbers you touch with your thumbs! | LEGO Place Value! Build different amounts using LEGOs.                                                                  | Figure out how many miles you will be driving (or flying) using an atlas!                                         |
| Bake cookies and figure out how much of each ingredient you need!                                                                       | Licence Plate Game - who can be the first person in the car to find a license plate number that adds to 10? To 20? 100? | Nature sort! Collect rocks, seashells, sticks, etc. and see how many equal groups you can make. Who has the most? |



Name \_\_\_\_\_

Multiply.

A.  $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$   $\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 2 \\ \times 1 \\ \hline \end{array}$

B.  $\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$   $\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$   $\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$   $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$   $\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$

C.  $\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$   $\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$   $\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$

D.  $\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$   $\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$

E.  $\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$   $\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$

F.  $\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 7 \\ \times 0 \\ \hline \end{array}$   $\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$

G.  $\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$   $\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 1 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$

H.  $\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$   $\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$   $\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$   $\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$   $\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$

SECTION 3



Name \_\_\_\_\_

Find the missing factor.

A.  $1 \times \underline{\quad} = 8$

$8 \times \underline{\quad} = 40$

$7 \times \underline{\quad} = 49$

$4 \times \underline{\quad} = 24$

B.  $3 \times \underline{\quad} = 24$

$\underline{\quad} \times 2 = 4$

$\underline{\quad} \times 6 = 54$

$4 \times \underline{\quad} = 28$

C.  $5 \times \underline{\quad} = 40$

$4 \times \underline{\quad} = 36$

$5 \times \underline{\quad} = 20$

$\underline{\quad} \times 7 = 56$

D.  $8 \times \underline{\quad} = 48$

$1 \times \underline{\quad} = 3$

$\underline{\quad} \times 7 = 63$

$5 \times \underline{\quad} = 30$

E.  $9 \times \underline{\quad} = 81$

$7 \times \underline{\quad} = 28$

$2 \times \underline{\quad} = 14$

$\underline{\quad} \times 3 = 15$

F.  $\underline{\quad} \times 7 = 49$

$2 \times \underline{\quad} = 10$

$6 \times \underline{\quad} = 30$

$5 \times \underline{\quad} = 45$

G.  $4 \times \underline{\quad} = 28$

$4 \times \underline{\quad} = 24$

$5 \times \underline{\quad} = 30$

$8 \times \underline{\quad} = 64$

H.  $9 \times \underline{\quad} = 54$

$\underline{\quad} \times 4 = 20$

$1 \times \underline{\quad} = 0$

$6 \times \underline{\quad} = 24$

I.  $\underline{\quad} \times 8 = 24$

$9 \times \underline{\quad} = 45$

$7 \times \underline{\quad} = 28$

$\underline{\quad} \times 5 = 40$



Name \_\_\_\_\_

Cumulative Division Practice. Review the division facts.

A.  $9 \div 9 = \underline{\quad}$   $12 \div 4 = \underline{\quad}$   $14 \div 7 = \underline{\quad}$   $30 \div 6 = \underline{\quad}$   $40 \div 5 = \underline{\quad}$

B.  $24 \div 8 = \underline{\quad}$   $18 \div 3 = \underline{\quad}$   $28 \div 4 = \underline{\quad}$   $24 \div 6 = \underline{\quad}$   $54 \div 9 = \underline{\quad}$

C.  $49 \div 7 = \underline{\quad}$   $6 \div 2 = \underline{\quad}$   $6 \div 1 = \underline{\quad}$   $28 \div 7 = \underline{\quad}$   $45 \div 5 = \underline{\quad}$

D.  $24 \div 6 = \underline{\quad}$   $40 \div 5 = \underline{\quad}$   $8 \div 2 = \underline{\quad}$   $40 \div 8 = \underline{\quad}$   $30 \div 5 = \underline{\quad}$

E.  $64 \div 8 = \underline{\quad}$   $56 \div 7 = \underline{\quad}$   $12 \div 2 = \underline{\quad}$   $30 \div 6 = \underline{\quad}$   $81 \div 9 = \underline{\quad}$

F.  $48 \div 8 = \underline{\quad}$   $49 \div 7 = \underline{\quad}$   $7 \div 1 = \underline{\quad}$   $24 \div 4 = \underline{\quad}$   $45 \div 9 = \underline{\quad}$

G.  $6 \div 6 = \underline{\quad}$   $25 \div 5 = \underline{\quad}$   $9 \div 3 = \underline{\quad}$   $18 \div 9 = \underline{\quad}$   $28 \div 7 = \underline{\quad}$

H.  $20 \div 5 = \underline{\quad}$   $16 \div 4 = \underline{\quad}$   $64 \div 8 = \underline{\quad}$   $24 \div 3 = \underline{\quad}$   $63 \div 7 = \underline{\quad}$

I.  $28 \div 4 = \underline{\quad}$   $54 \div 6 = \underline{\quad}$   $10 \div 5 = \underline{\quad}$   $6 \div 3 = \underline{\quad}$   $40 \div 8 = \underline{\quad}$

J.  $15 \div 3 = \underline{\quad}$   $24 \div 4 = \underline{\quad}$   $30 \div 5 = \underline{\quad}$   $36 \div 6 = \underline{\quad}$   $20 \div 4 = \underline{\quad}$



Name \_\_\_\_\_

Divide and multiply.

A.  $12 \div 6 = \underline{\quad}$      $36 \div 9 = \underline{\quad}$      $5 \times 7 = \underline{\quad}$      $35 \div 5 = \underline{\quad}$      $32 \div 8 = \underline{\quad}$

B.  $30 \div 5 = \underline{\quad}$      $6 \times 7 = \underline{\quad}$      $42 \div 6 = \underline{\quad}$      $20 \div 5 = \underline{\quad}$      $6 \times 5 = \underline{\quad}$

C.  $4 \times 8 = \underline{\quad}$      $24 \div 4 = \underline{\quad}$      $4 \times 7 = \underline{\quad}$      $40 \div 5 = \underline{\quad}$      $72 \div 9 = \underline{\quad}$

D.  $21 \div 7 = \underline{\quad}$      $9 \times 4 = \underline{\quad}$      $56 \div 7 = \underline{\quad}$      $42 \div 7 = \underline{\quad}$      $3 \times 7 = \underline{\quad}$

E.  $9 \times 8 = \underline{\quad}$      $18 \div 2 = \underline{\quad}$      $35 \div 7 = \underline{\quad}$      $27 \div 3 = \underline{\quad}$      $30 \div 5 = \underline{\quad}$

F.  $32 \div 4 = \underline{\quad}$      $3 \times 9 = \underline{\quad}$      $24 \div 8 = \underline{\quad}$      $7 \times 6 = \underline{\quad}$      $18 \div 3 = \underline{\quad}$

G.  $28 \div 7 = \underline{\quad}$      $45 \div 5 = \underline{\quad}$      $8 \times 8 = \underline{\quad}$      $64 \div 8 = \underline{\quad}$      $30 \div 6 = \underline{\quad}$

H.  $8 \times 6 = \underline{\quad}$      $27 \div 9 = \underline{\quad}$      $1 \times 5 = \underline{\quad}$      $8 \times 4 = \underline{\quad}$      $6 \div 2 = \underline{\quad}$

I.  $21 \div 3 = \underline{\quad}$      $28 \div 4 = \underline{\quad}$      $72 \div 8 = \underline{\quad}$      $24 \div 6 = \underline{\quad}$      $7 \times 3 = \underline{\quad}$

J.  $63 \div 7 = \underline{\quad}$      $40 \div 8 = \underline{\quad}$      $49 \div 7 = \underline{\quad}$      $8 \times 9 = \underline{\quad}$      $25 \div 5 = \underline{\quad}$

