BRIDGEPORT PUBLIC SCHOOLS

MATHEMATICS DEPARTMENT

MATHEMATICS SUMMER PACKETS

End of Grade 4 Entering Grade 5

STUDENT NAME: _____

SCHOOL: _____

rev. 4/25/25

Dear Future 5th Grader,

Congratulations—you've finished 4th grade and are getting ready for 5th grade! That's a big step, and we're so proud of how far you've come.

To stay sharp and ready for the new school year, it's a great idea to keep practicing what you've learned—things like reading, math, and writing. This summer, you'll have a packet with fun activities and challenges to help keep your mind active.

Try to work on a little bit each day. If something feels tough, don't worry—just ask a family member or someone at home to help out.

When school starts again in August, bring your packet with you. Your teacher will be excited to see all the effort you've put in and how ready you are to take on 5th grade.

Learning is a journey, and every step you take helps you grow more confident and capable. Keep going, have fun, and enjoy your summer break!

We can't wait to see the awesome 5th grader you'll become!

Place-Value Mystery

Find the number that makes each statement true.

1. $\frac{1}{10}$ of 3,000 is 10 times as much as _____.

2. $\frac{1}{10}$ of _____ is 10 times as much as 8.

3. $\frac{1}{10}$ of 50,000 is 10 times as much as _____.

4. $\frac{1}{10}$ of 400,000 is 10 times as much as _____

5. 10 times as much as _____ is $\frac{1}{10}$ of 900.

6. 10 times as much as _____ is $\frac{1}{10}$ of 60,000.

7. 10 times as much as 70 is $\frac{1}{10}$ of _____

8. 10 times as much as 2,000 is $\frac{1}{10}$ of _____

9. **Write Math** Explain how you solved Exercise 8.

_____

_____

_____

_____

_____

_____

Place-Value Match

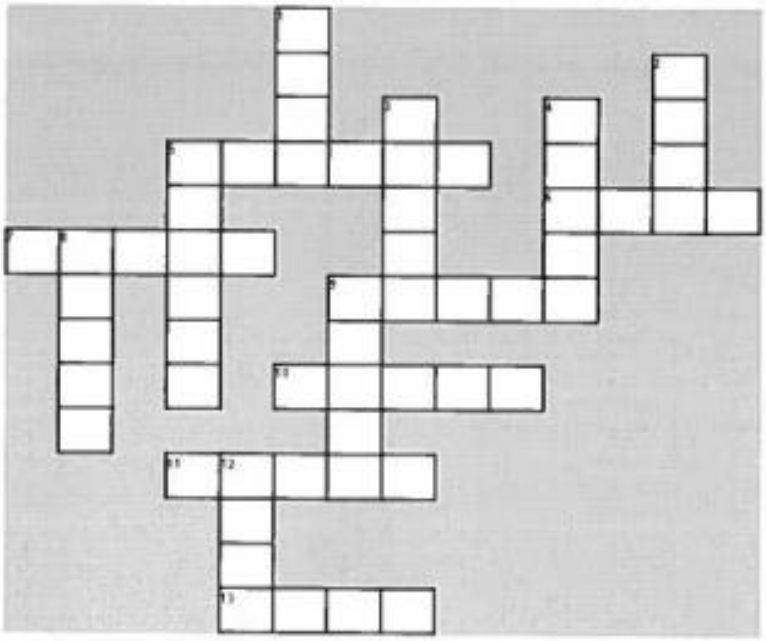
Match the standard form of the number given in Column A with either the word form or the expanded form of the number in Column B.

	Column A	Column B
1.	900,000	thirty million
2.	8,000,000	5 × 1,000,000
3.	30,000,000	six hundred million
4.	2,000,000	eight hundred thousand
5.	100,000	9 × 100,000
6.	5,000,000	three million
7.	60,000,000	sixty million
8.	7,000,000	2 × 1,000,000
9.	800,000	5 × 10,000,000
10.	300,000	3 × 100,000
11.	1,000,000	seven million
12.	50,000,000	one hundred thousand
13.	600,000,000	one million
14.	3,000,000	eight million

15. Write Math Explain the method you used to match the standard form of a number to either its word form or its expanded form.

Multiplication Number Puzzle

Use the clues to complete the puzzle.



Down

1. 856 × 9 _____

2. 847 × 6 _____

3. 5,082 × 3 _____

4. 7,028 × 6 _____

5. 24,162 × 8 _____

8. 2,127 × 6 _____

9. 3,289 × 5 _____

12. 601 × 6 _____

Across

5. 12,762 × 9 _____

6. 287 × 6 _____

7. 1,326 × 9 _____

9. 4,027 × 4 _____

10. 4,027 × 6 _____

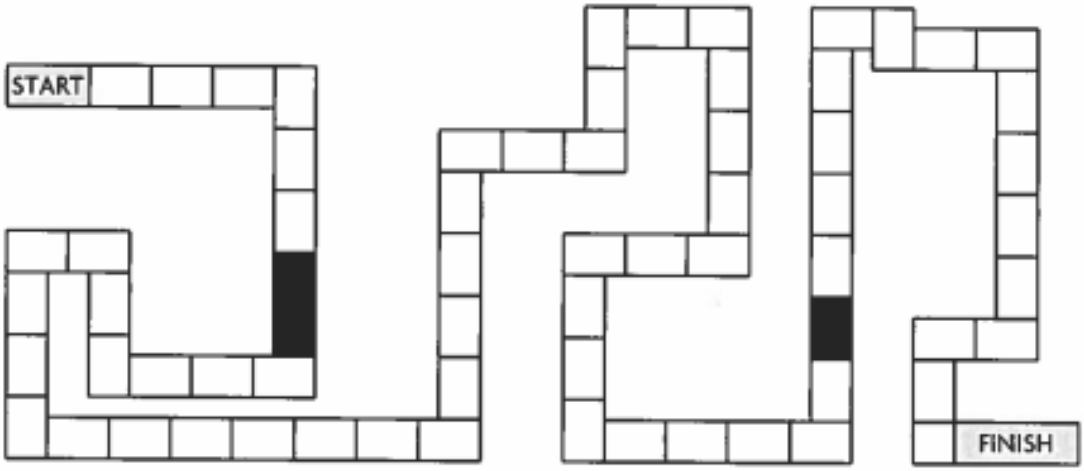
11. 7,028 × 9 _____

13. 1,722 × 4 _____

14. Stretch Your Thinking Write a different clue that has the same product as 1,326 × 9.

Order of Operations Game

Three players are playing a board game. Complete the exercises below, and move each player's piece the same number of spaces as the answer for the unknown value. Circle the player who wins the game. Each black space counts as one space.



	Player 1	Player 2	Player 3
1.	$(50 - 2) \div 4 =$ ____	$5 + 10 \div 5 =$ ____	$108 \div (27 - 9) =$ ____
2.	$(343 - 5) \div 26 - 11 =$ ____	$(7 \times 7) \div (3 + 4) =$ ____	$6 + 3 - 7 =$ ____
3.	$(55 - 1) \div 9 =$ ____	$(16 \times 3) \div (4 \times 6)$ = ____	$(64 \div 16) \times (11 - 6)$ = ____
4.	$(15 - 36 \div 4) + (9 \times 2)$ = ____	$2 \times (3 + 51 \div 17)$ = ____	$144 - (10 + 4 \times 5 \times 5)$ = ____
5.	$(64 + 6) \div ($____ $\times 5) = 2$	$81 \div ($____ $\div 4) = 9$	$(4 \times$ ____$) - (1 + 8 \times 2)$ $= 3$

6. **Stretch Your Thinking** A fourth player joins the game and is given an expression that moves the game piece directly to the second black space on the board. The expression has a division, a multiplication, and a subtraction operation. Write a possible expression.

Divide by 1-Digit Divisors

You can use compatible numbers to help you place the first digit in the quotient. Then you can divide and check your answer.

Divide. $4\overline{)757}$

Step 1 Estimate with compatible numbers to decide where to place the first digit.

$757 \div 4$

$\downarrow$

$800 \div 4 = 200$

The first digit of the quotient is in the hundreds place.

Step 2 Divide.

$$\begin{array}{r} 189\ r1 \\ 4\overline{)757} \\ -4\downarrow \\ \hline 35 \\ -32\downarrow \\ \hline 37 \\ -36 \\ \hline 1 \end{array}$$

Step 3 Check your answer.

$$\begin{array}{rll} 189 & \leftarrow & \text{quotient} \\ \times\ 4 & \leftarrow & \text{divisor} \\ \hline 756 & & \\ +\ 1 & \leftarrow & \text{remainder} \\ \hline 757 & \leftarrow & \text{dividend} \end{array}$$

Since 189 is close to the estimate of 200, the answer is reasonable.

So, $757 \div 4$ is 189 r1.

Divide. Check your answer.

1. $8\overline{)136}$

2. $7\overline{)297}$

3. $5\overline{)8{,}126}$

4. $7\overline{)4{,}973}$

5. $3\overline{)741}$

6. $7\overline{)456}$

Add Decimals

Add. 4.37 + 9.8

Step 1 Estimate the sum.

$$4.37 + 9.8$$
$$\downarrow \quad \downarrow$$
Estimate: $4 + 10 = 14$

Step 2 Line up the place values for each number in a place-value chart. Then add.

	Ones	Tenths	Hundredths	
	4	3	7	
+	9	8		
	14	1	7	← sum

Step 3 Use your estimate to determine if your answer is reasonable.

Think: 14.17 is close to the estimate, 14. The answer is reasonable.

So, 4.37 + 9.8 = 14.17

Estimate. Then find the sum.

1. Estimate: ____

$$\begin{array}{r} 1.20 \\ +\ 0.34 \\ \hline \end{array}$$

2. Estimate: ____

$$\begin{array}{r} 1.52 \\ +\ 1.21 \\ \hline \end{array}$$

3. Estimate: ____

$$\begin{array}{r} 12.25 \\ +\ 11.25 \\ \hline \end{array}$$

4. Estimate: ____

$$\begin{array}{r} 10.75 \\ +\ 1.11 \\ \hline \end{array}$$

5. Estimate: ____

$$\begin{array}{r} 22.65 \\ +\ 18.01 \\ \hline \end{array}$$

6. Estimate: ____

$$\begin{array}{r} 34.41 \\ +\ 15.37 \\ \hline \end{array}$$

Round numbers 0-10,000 to the nearest 10

Grade 5 Rounding Worksheet

Example: 4,689 rounded to the nearest 10 is 4,690

Round to the nearest ten.

1. 1,582 = _____
2. 8,530 = _____
3. 883 = _____
4. 5,604 = _____
5. 1,050 = _____
6. 4,474 = _____
7. 3,397 = _____
8. 1,908 = _____
9. 2,502 = _____
10. 9,132 = _____
11. 8,775 = _____
12. 9,194 = _____
13. 7,788 = _____
14. 5,784 = _____
15. 3,350 = _____
16. 7,499 = _____
17. 5,110 = _____
18. 9,105 = _____
19. 2,277 = _____
20. 5,251 = _____
21. 5,234 = _____

55.) Nuts To Crunch sells nuts at local stores and on-line. The table shows the prices of nuts from each source.

Nuts To Crunch

	Price (per pound)	
Nut	**On-line**	**Local Store**
Peanuts	$0.99	$1.49
Almonds	$4.59	$4.99
Pistachios	$2.98	$3.98
Mixed Nuts	$2.49	$3.29

Josh has a $40.00 gift certificate to use at Nuts To Crunch. If he orders nuts on-line, there is a $7.00 delivery charge. On-line he can also use a coupon for $5.00 off any purchase over $10.00.

Josh wants to buy 8 lbs. of peanuts and 5 lbs. of almonds. Should he buy the nuts on-line or at his local store? _____ (You may use a calculator.)

Why or why not? _____

_____

_____

_____

Show your work in the space below.

Name: _____

Daily Math Practice D 106

Math Buzz

Coach Rizzo bought the equipment listed below.

- 4 boxes of soccer balls with 32 balls in each box
- 5 boxes of footballs with 28 balls in each box.

Which number is closest to the total number of soccer balls and footballs that Coach Rizzo ordered.

a. 175 **b.** 270

c. 350 **d.** 500

Decompose the rectangle to find a fraction equivalent to three fourths.

$$\frac{3}{4} = \frac{\square}{\square}$$

Multiply.

61 x 8 = _____

44 x 3 = _____

169 x 5 = _____

487 x 4 = _____

Divide.

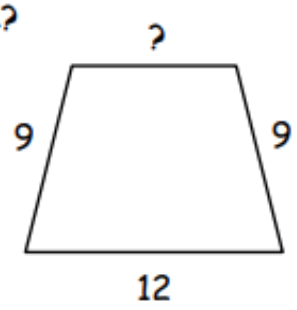
$$2\overline{)8\,6\,8}$$

Write an odd two-digit number that is prime.

_____

Write an odd two-digit number that is composite.

_____

Estimate the product. 21.99 x 3.02 = _____	List the first five multiples of 9 (do not include nine itself.	Subtract. Record your answer in simplest terms. $\frac{6}{8} - \frac{4}{8}$
Convert the fractions to decimals (do not use a calculator). a. 5/10 = _____ b. 1/3 = _____ c. 67/100 = _____	Divide. 564 / 10 = _____	Compare using <, >, or =. Two-fifths _____ $\frac{2}{7}$
If the perimeter of the object below is 36, what is the length of the missing side? 	What is half of 50 plus 4 squared?	Kelli made 42 cookies for a party. The party guests ate 28 cookies and then Kelli gave half of the rest to her next-door neighbor. How many cookies did Kelli have afterwards?