BRIDGEPORT PUBLIC SCHOOLS

MATHEMATICS DEPARTMENT

MATHEMATICS

SUMMER PACKETS

End of Grade 5 Entering Grade 6

STUDENT NAME: _____

SCHOOL: _____

rev. 4/25/25

Dear Future 6th Grader,

Success in 6th Grade Mathematics begins with a solid foundation in the skills and concepts you learned in 5th Grade and elementary school. These are essential for understanding new topics and solving both mathematical and real-world problems.

This summer, we encourage you to review and strengthen these foundational skills. The provided packet includes key practice problems and links to online resources. Work on a few problems each day, use the resources if needed, and don't hesitate to seek help from friends, family, or additional tools.

Your completed packet is due when you return in August. Teachers will review these prerequisite skills and assess your understanding early in the school year. Learning math is like building a house—strong foundations are critical for growth. Strengthening these basics now will set you up for success.

We hope you not only excel in math but also enjoy discovering its beauty. Have a wonderful summer, and come back in the fall ready to aim high and believe in your potential!

Tang Math Summer Fun!

1 prize entry per level!

Summertime!						
Play Coin Bubble		Play Satis-Fraction (+) Calculate (hard level)	Play Minus Mania	Play Expresso Insane (+ - x ÷)		
Play Missing (x) Combo Hard		Play NumTanga Level 5 & 6		Play Missing (÷) Combo (hard level)	Play Kakooma Play x	Go to level 8!
Play How Much How Many	Complete Tangy Tuesday Puzzle Pack	Play BreakApart (÷) Quotative				

- Find games and activities at TangMath.com
- Play each game for 15 minutes
- Try to complete each level with no errors
- Play the harder levels if activities are too easy
- Move to the previous game board if you get stuck
- Get help from an adult or family member
- Sign up to win prizes for each level you complete

Level 7 Game Board
TangMath.com

DigiCross™

5.4.40

Name: _____

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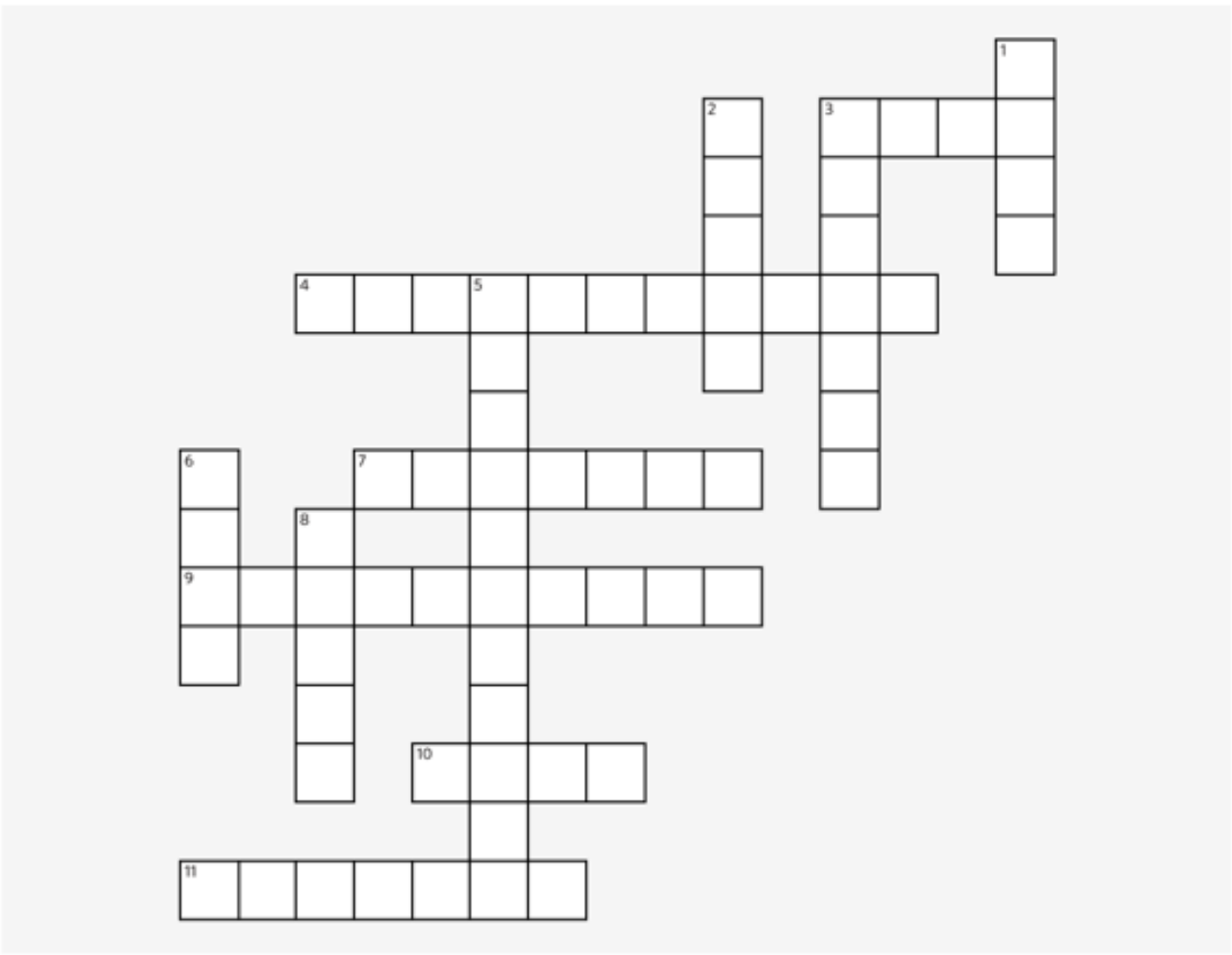

ACROSS

3. ____ ÷ 5/6 = 6
4. 4 millimeters = .4 ____
7. 963.9 is 3 ____ times 3.213
9. 5 1/6 x 6 1/5 = ____ + 1/30
10. 7527 ÷ 13 = 500 + 70 + ____
11. 7/6 - 2/13 is ____ than 1

DOWN

1. 63.286 x 10^3 has ____ zeroes
2. .0495 is closest to ____ thousandths
3. 5/6 + 1/4 - 1/3 = 3 ____
5. ____ x .8 = 20
6. (2,6), (4,8), (6,6), (4,2) makes a ____
8. 5 x (81-77) ÷ (13÷39)

Snake

Name: _____

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Fill in each blank box in order, combining the numbers from the previous two boxes.

9	$\div \frac{1}{6}$		+0		$\times \frac{1}{6}$		$\div \frac{1}{7}$	
								-47
	$\times \frac{1}{2}$		-72		$\div \frac{1}{10}$		$\times \frac{1}{2}$	
$\div \frac{1}{3}$								
	+38		$\times \frac{1}{10}$		$\div \frac{1}{9}$		-21	24

8	$\div \frac{1}{7}$		-40		$\times \frac{1}{2}$		$\div \frac{1}{2}$	
								+8
	$\times \frac{1}{5}$		-50		$\div \frac{1}{10}$		$\times \frac{1}{3}$	
$\div \frac{1}{8}$								
	-27		$\times \frac{1}{3}$		$\div \frac{1}{5}$		+21	56

NumTanga™

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Name: _____

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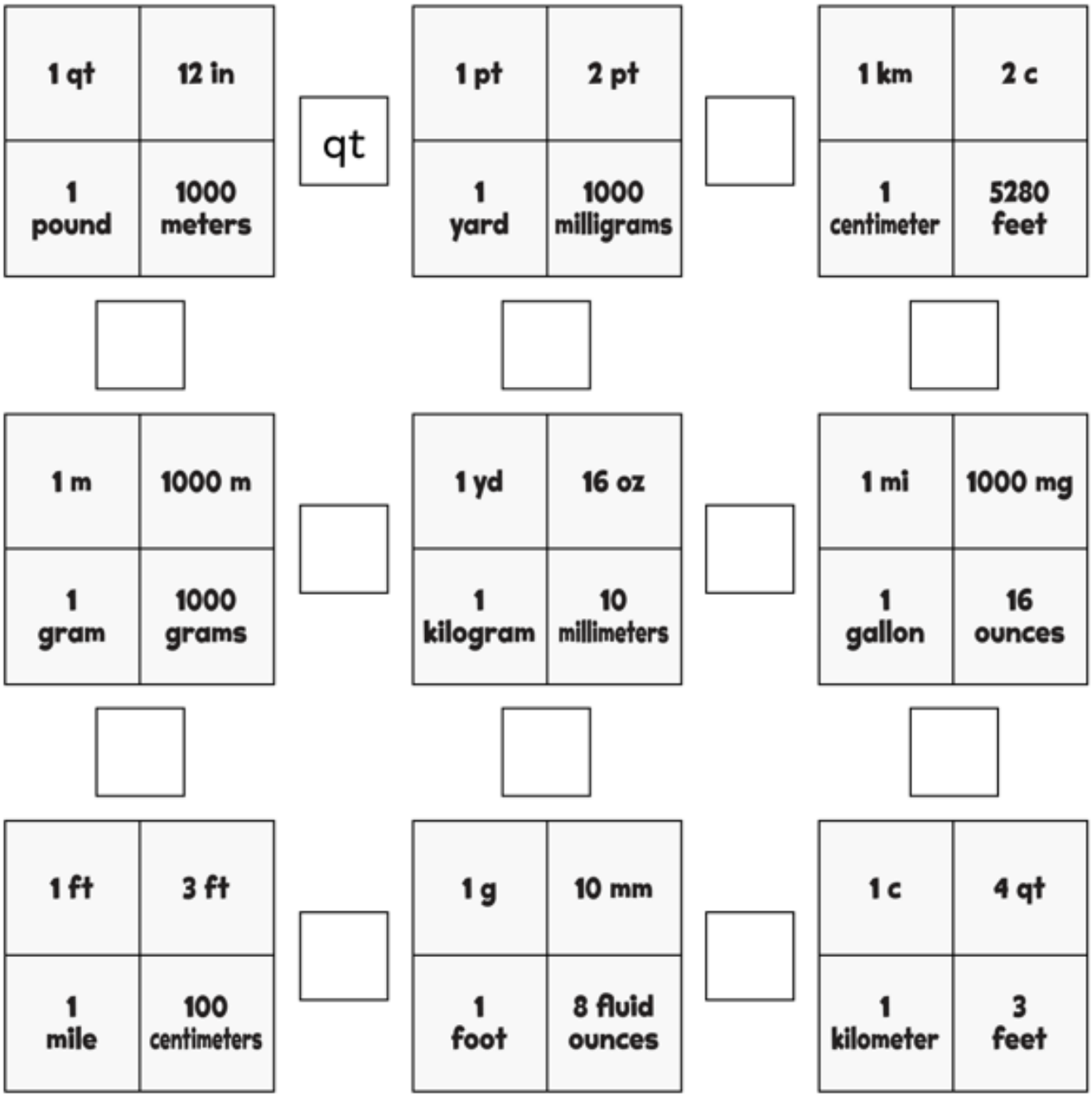
In each empty box, write the matching value between adjacent cards.



Kakooma® Plus

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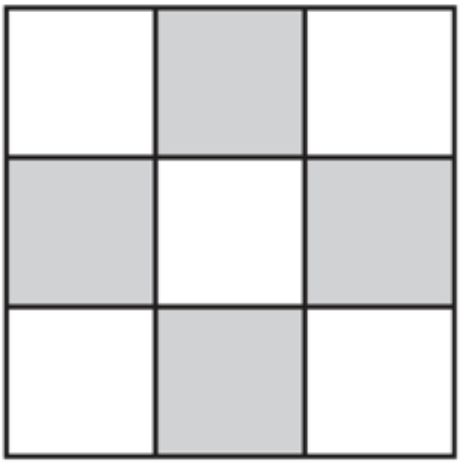
Puzzled? In each 9-number square, find the number that is the sum of 2 other numbers. Use all 9 sums to create 1 final puzzle and solve.

23	2	29	5	2	24	15	20	16
22	28	25	17	20	9	22	18	10
12	18	8	1	27	12	13	9	21
3	30	5	23	12	28	29	17	26
6	15	26	29	19	27	6	25	15
17	19	1	18	13	30	18	13	21
28	7	13	7	29	13	26	21	16
14	18	26	1	9	5	11	28	13
22	16	11	10	25	27	23	19	4



Final answer:

Equato™

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Name: _____

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Fill in the empty boxes to make every horizontal and vertical equation correct. Use the correct order of operations and read left to right and top to bottom. Use every number in the number bank once.

1 2 3 4 5 6 7 8 9 9

5	=		−	8	+	7	−	3
+		+		−		+		=
	+		−		−		=	
÷		−		+		−		+
2	=	9	−	6	+	4	−	
+		+		−		−		−
1	×		+		−	3	=	8
=		=		=		=		−
	−	7	=	5	−	2	−	1

July

Define prime number. List 6 prime numbers that are less than 20. Prove that they are prime	**Find the product of 165 x 31. Show how you did it!**	**The area of a rectangle is 54 units. What are all of the possible dimensions for the length and width? Hint: Area= length x width**	**Name all of the factor pairs for 18. Name all of the factor pairs for 24. What do they have in common?**	**Kayla is asked to write an 8- digit number with a 3 in the hundred thousands place and a 7 in the hundreds place. She writes 13,246,708. Is she correct? If not, explain and write a number that would satisfy the requirements**
Complete each blank to make each equation true. **6 x 25 = 3 x _____** **8 x 14 = 4 x _____** **Create your own equation that follows this pattern.**	**A square has a perimeter of 18cm. How long is the side of the square?**	**A brownie recipe calls for 2/3 cup of oil. If you tripled the recipe, how much oil would you need?**	**Using a calculator, make each change and tell how you made it.** **● 2.659 to 2.658** **● 4.251 to 4.253**	**A football field is 100 yards long. How many feet would you run if you ran halfway down the field?**
Evaluate. **(19-7) x (2 +11)**	**Jose finish a race in 2.6 hours. Pavel finished the same race in 2.60 hours. Which runner finished the race first?**	**Solve** **5,476 ÷ 345 = ___**	**Shady Rivers summer camp has 188 campers this week. If there are 22 campers to each cabin, what is the least number of cabins needed?**	**Name a fraction between 1 4 and 1 2 . Justify with models and/or drawings.**
What is 3/4 of 60?	**Using a calculator, make each change and tell how you made it.** **● 1.605 to 1.635** **● 6.537 to 6.534**	**Evaluate. 346 x 29**	**If 283 is divided by 4, where should the first digit of the quotient be placed?**	**Define multiple. Then, list the first 10 multiples of 4.**

AUGUST

Find the sum of 32.5 and 82.4	**A cookie recipe calls for 3/4 teaspoon of ginger. How much ginger would you use if you doubled the recipe?**	**Convert these fractions into mixed numbers:** **15/4** **15/3** **15/2**	**Evaluate.** **$23.07 x 7**	**Order from greatest to least.** **0.31, 0.052, 0.125, 0.031**
Find the least prime number that is greater than 100. Explain.	**Write 3 fractions that are equivalent to 1/3 . Use models to justify your reasoning.**	**Name 3 real-life objects that have a capacity greater than 10 liters.**	**A pizza was divided into eighths. You ate ¾ of the pizza. How many slices did you eat?**	**Rename 5/12 and 3/8 using a common denominator.**
Choose 2 like fractions whose difference is 1/6 but denominators are not 6.	**Consider 9.74 ÷ 0.32. Which of the following has the decimal placed in the correct location?** **A. 0.03475** **B. 3.04375** **C. 30.4375** **D. 304.375**	**Which group shows the prime factorization of 252?** **A. 2 x 3 x 3 x 7** **B. 2 x 2 x 2 x 3 x 5** **C. 2 x 2 x 3 x 3 x 7** **D. 2 x 2 x2 x 3 x 3 x 7**	**Find the area of a rectangle whose length is 1/12 foot and width is 3/4 foot. (Area= length x width)**	**Which of the following pairs of numbers have a least common multiple of 24?** **A. 4 and 6** **B. 3 and 8** **C. 2 and 12** **D. 3 and 6**
How many ¾'s are in 6?	**Mason made 5 quarts of salsa. Which of the following expressions can be used to determine how many cups of salsa Mason made?** **A. 5 x 2 x 2** **B. 5 x 4 x 4** **C. 5 ÷ 2 ÷ 2** **D. 5 x 4 x 2**	**Mihir is building a dog pen and wants to give his dog at least 500 square feet of space. If his side yard is 12 ft by 5 yds, does he have enough space to build his pen there? Explain?**	**Find the volume of a rectangular prism whose dimensions are:** **Length=4 cm** **Width = 5 cm** **Height = 11 cm** **(V= l x w x h)**	**A tent is put up with 12 poles. How many tents can be put up with 200 poles? Will there be poles left over?**

RIDDLE PUZZLE

Use number names to solve the riddle!

What do you call an animal that eats plants?

__ __ __(1) __ __ __ __(2) __(3) __(4)

1. One side of a rectangle is 2 times the length of another side. The difference in their lengths is 7 feet. What is the rectangle's perimeter?

_____ What is the **third** letter in your answer? __(1)

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2. One side of a rectangle is 2 times the length of another side. The difference in their lengths is 10 feet. What is the rectangle's area?

_____ What is the **third** letter in your answer? __(2)

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3. One side of a rectangle is 2 times the length of another side. The rectangle's area is 162 square feet. What is the rectangle's perimeter?

_____ What is the **ninth** letter in your answer? __(3)

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4. One side of a rectangle is 3 times the length of another side. The rectangle's perimeter is 48 feet. What is the rectangle's area?

_____ What is the **third** letter in your answer? __(4)

Make the equations true using each number from the number bank once.

DIGIT BANK

1 2 3 4 5 6 7 8 9

___ ___ × ___ = 51

___ ___ ÷ ___ = 9

___ ___ − ___ = 84

What number am I? ___