



Math

Dear 4th Grade Students and Families,

I hope this letter finds you well and enjoying the beginning of your summer break! As we embark on this season of relaxation and fun, I wanted to provide you with an exciting opportunity to keep your math skills sharp over the summer months.

Introducing the Summer Homework Math Packet: 50 Day Challenge! This packet is designed to engage students in daily math practice while also providing a sense of accomplishment as they progress through the 50 days. Each day, students will be presented with a math equation to solve. It's a fun and interactive way to reinforce key math concepts learned throughout the school year.

Here's how it works:

Name and Numbering: Write your name on the top of the paper or notebook you are using.
Number each equation by day, from Day 1 to Day 50.

Equations: Solve the math equation provided for each day.
Use your math skills to find the correct answer.

Rewrite and Answer: After solving the equation, rewrite the question with your answer. This ensures that you understand all parts of the question and have accurately solved it.

Completion: Work through the packet at your own pace over the summer.
Try to complete one equation each day to stay consistent and motivated.

Review: Take time to review your answers and check for any errors.
Learning from mistakes is an important part of the learning process!

Parents and guardians, I encourage you to support your child in this endeavor by providing a quiet space for them to work and offering encouragement along the way.

Thank you for your support in your child's education.
Together, we can make this summer both enjoyable and academically enriching!

Warm regards,
Ms. Volpe

Challenge

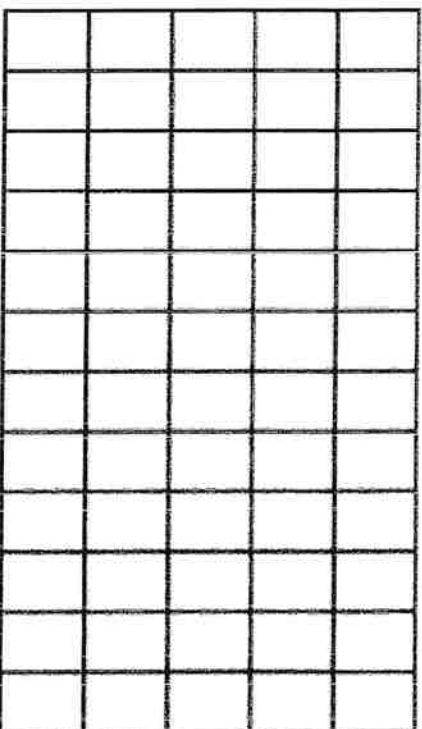
DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 1

Select ALL expressions that represent the area of the rectangle.

- a. 12×5
- b. $10 \times 5 + 2 \times 5$
- c. $5 \times 10 - 5 \times 2$
- d. $12 + 5 + 12 + 5$
- e. $12 \times 3 + 12 \times 2$



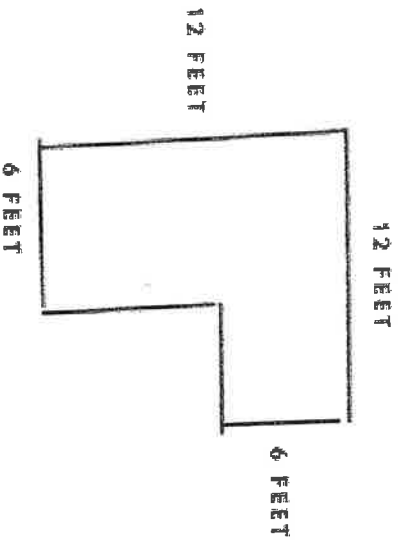
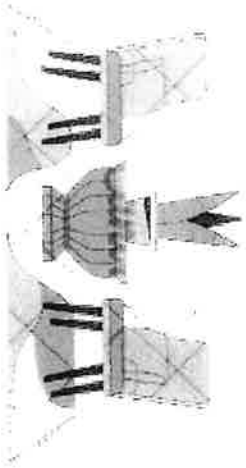
DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 2

Here is a diagram of a patio.

What is the area



DAY 50 MATH CHALLENGE

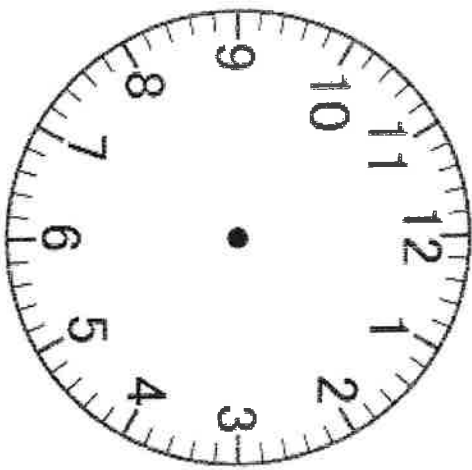
You pick the 50 days and show what you know about math!

with Mrs. Nader

DAY 3

Soccer practice began at 2:45 p.m. and lasted 95 minutes.

Draw a clock that shows the time when practice ended.



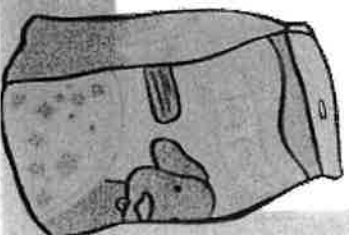
DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 4

Seven bags of dog food weigh 63 kilograms. If all the bags have the same weight, how many kilograms does each bag of dog food weigh?

1. **What an equation to represent the situation. Use an X for the unknown.**
2. Solve the equation.



DAY 50 MATH CHALLENGE

with Mrs. Volpe

You pick the 50 days and show what you know about math!

DAY 5



Think of a situation that the equation $5 \times 3 = ?$ could represent.

1. Describe or show what the 5, 3 and “?” represents.
Draw a diagram if it helps to show your thinking.

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 6

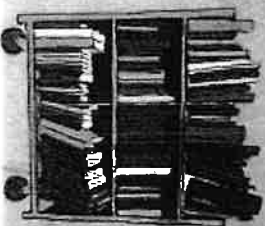
YOU ARE CAPABLE

Think of a situation that the equation $36 \div 4 = ?$ could represent?

1. Describe or show what the 36, 4 and "?" represents.

Draw a diagram if it helps to show your thinking.

DAY 50 MATH CHALLENGE



You pick the 50 days and show what you know about math!

DAY 7

There are 60 books on 5 shelves. There are the same number of books on each shelf. How many books are on each shelf?

a. Write a multiplication equation to represent the situation. Use a "?" for the unknown.

b. Write a division equation to represent the situation. Use the "?" for the unknown.

c. Find how many books are on each shelf. Explain or show your thinking.

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

with Mrs. Volpe

DAY 8

A farmer brought 525 oranges to the market. She sold 8 boxes of 12 oranges. How many oranges does she have now?

Show your reasoning.



DAY 50 MATH CHALLENGE

with Mr. Walker

**NEVER
GIVE UP**

You pick the 50 days and show what you know about math!

DAY 9

Select ALL numbers that represent the question mark on the number line.

A. 2

B. $7/4$

C. $8/4$

D. $2/1$

E. 8

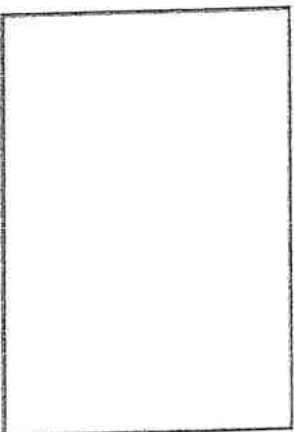
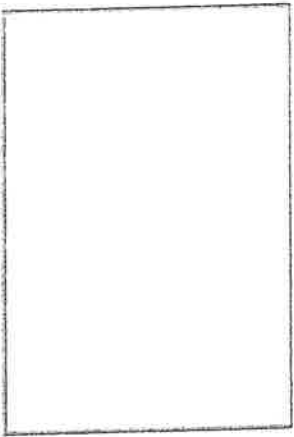


DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 10

Draw 3 different ways to show $\frac{2}{3}$ or an equivalent fraction of a rectangle.



YOU'VE GOT IT!

DAY 50 MATH CHALLENGE

you've GOT THIS

You pick the 50 days and show what you know about math!

DAY 11

Locate and label $1/4$ and $5/4$ on the number line. Explain your reasoning in words.



Four horizontal lines for writing: a solid top line, a dashed middle line, a solid bottom line, and a solid line below that.

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

with Mrs. Valpey

DAY 12



Locate and label 1 on the number line. Explain your reasoning in words.



Four horizontal lines for writing, consisting of a solid top line, a dashed middle line, a solid bottom line, and another solid bottom line.

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 13

Write $<$, $>$ or $=$ in each blank to make the statement true.

Explain your thinking.



$3/6$

$3/8$

=====

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 15



Write $<$, $>$ or $=$ in each blank to make the statement true.

Explain your thinking.

$3/6$ _____ $2/6$

=====

=====

DAY 50 MATH CHALLENGE

with Mrs. Volpe

You pick the 50 days and show what you know about math!

DAY 16

Find the value of the expression.

$$14X7$$

YOU CAN DO IT

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 17

Find the value of the expression.

$$3 \times 26$$



DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 18

Find the value of the expression.

$$37 \times 2$$

KEEP THE GOOD

DAY 50 MATH CHALLENGE

with Mr. Walker

KEEP IT

the math!

You pick the 50 days and show what you know about math!

DAY 19

Find the value of the expression.

$$42 \div 3$$

DAY 50 MATH CHALLENGE

with Mr. Volpe

You pick the 50 days and show what you know about math!

DAY 20

Find the value of the expression.

$$85 \div 5$$

you are!
INCREDIBLE

DAY 50 MATH CHALLENGE

with Mr. Vitor

You pick the 50 days and show what you know about math!

DAY 21

Find the value of the expression.

$$90 \div 9$$

**Prove
OF YOUR!**

DAY 50 MATH CHALLENGE

with Mr. Vokor

You pick the 50 days and show what you know about math!

DAY 22

Find 2 ways to write each number as a product of two factors. Record each way as an equation

16

BRAYO!

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 23

Find 2 ways to write each number as a product of two factors. Record each way as an equation

18

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 24

Find 2 ways to write each number as a product of two factors. Record each way as an equation

24

BELIEVE IN

YOURSELVES

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 25

Find 2 ways to write each number as a product of two factors. Record each way as an equation.

30

Well done!

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 26

Find 2 ways to write each number as a product of two factors. Record each way as an equation.

GOOD JOB!

36

DAY 50 MATH CHALLENGE

with Mr. Walker

You pick the 50 days and show what you know about math!

DAY 27

Find 2 ways to write each number as a product of two factors. Record each way as an equation

60



Good!

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 28

Find 2 ways to write each number as a product of two factors. Record each way as an equation.

72

YOU CAN DO IT

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

with Mrs. Vohra

DAY 29

Find 2 ways to write each number as a product of two factors. Record each way as an equation

PUSHING

98

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

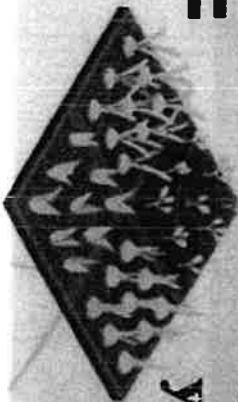
DAY 30

Find 2 ways to write each number as a product of two factors. Record each way as an equation

SUPER!

DAY 50 MATH CHALLENGE

with Mrs. Vafae



You pick the 50 days and show what you know about math!

DAY 31

Lin's class is designing a garden at school. Their garden is a rectangle that is 8 feet by 12 feet. The table shows how far some different plants need on all sides to grow well.

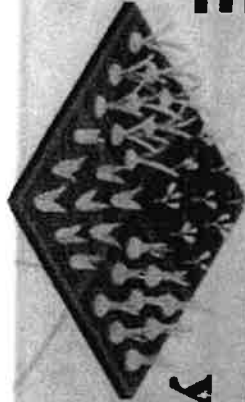
PLANT	SPACE ON ALL SIDES
TOMATO	2 FEET
LETTUCE	1 FOOT
ONION	1/2 FOOT
CARROT	1/6 FOOT
PUMPKIN	5 FEET

WHICH PLANT TAKES UP THE MOST AMOUNT OF SPACE?

WHICH PLANT TAKES UP THE LEAST AMOUNT OF SPACE?

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!



DAY 32

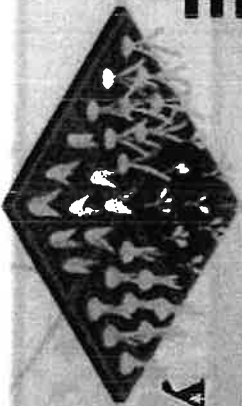
Lin's class is designing a garden at school. Their garden is a rectangle that is 8 feet by 12 feet. The table shows how far some different plants need on all sides to grow well.

PLANT	SPACE ON ALL SIDES
TOMATO	2 FEET
LETTUCE	1 FOOT
ONION	1/2 FOOT
CARROT	1/6 FOOT
PUMPKIN	5 FEET

ANDRE WANTS TO PLANT PUMPKINS. LIN SAYS THAT THERE IS NOT ENOUGH ROOM. DO YOU AGREE WITH LIN? SHOW YOUR THINKING.

DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!



DAY 33

Lin's class is designing a garden at school. Their garden is a rectangle that is 8 feet by 12 feet. The table shows how far some different plants need on all sides to grow well.

PLANT	SPACE ON ALL SIDES
TOMATO	2 FEET
LETTUCE	1 FOOT
ONION	1/2 FOOT
CARROT	1/6 FOOT
PUMPKIN	5 FEET

HOW MANY LETTUCE PLANTS CAN THE CLASS FIT IN THE GARDEN? SHOW YOUR REASONING.

DAY 50 MATH CHALLENGE

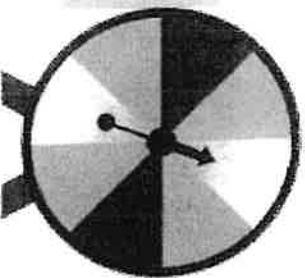
You pick the 50 days and show what you know about math!

DAY 34

We spun a spinner that contained numbers 0-7. and it landed on

5,2,6,1,0,2

Use them to write two different 3 digit numbers that make the largest sum possible.



DAY 50 MATH CHALLENGE

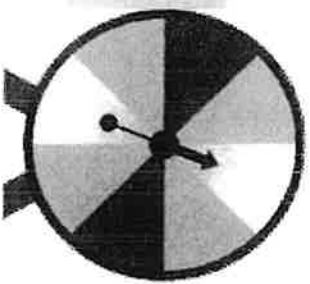
You pick the 50 days and show what you know about math!

DAY 35

We spun a spinner that contained numbers 0-7. and it landed on

5,2,6,1,0,2

Use them to write two different 3 digit numbers that make the smallest sum possible.



DAY 50 MATH CHALLENGE

You pick the 50 days and show what you know about math!

DAY 36

Write a division equation for the situation. Use "?" for the unknown quantity.

(part 1)

There are 35 students in the room. They are seated at 7 tables, with the same number of students at each table. How many students are at each table?

