getting READY FOR 3rd grade

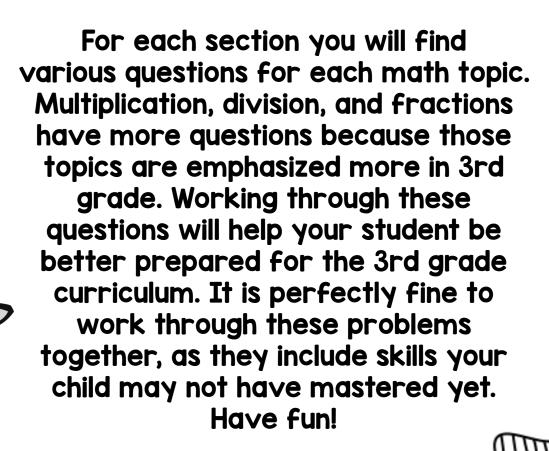BY: LeSLie'S LockeR

_____'s

SUMMER
math
PACKET

NOTE TO PARENTS:

This packet is broken up into the 8 math topics that are taught at the 3rd grade level. They include:

Addition & Subtraction Within 1,000
Graphing & Data Collection
Multiplication
Division
Fractions
Measurement
Geometry
Area & Perimeter

For each section you will find various questions for each math topic. Multiplication, division, and fractions have more questions because those topics are emphasized more in 3rd grade. Working through these questions will help your student be better prepared for the 3rd grade curriculum. It is perfectly fine to work through these problems together, as they include skills your child may not have mastered yet. Have fun!

ADDITION & SUBTRACTION WITHIN 1,000

❶

Tina and Tommy were collecting seashells. Tina had 289 less than Tommy. Tommy had 488 seashells. Which is the best estimate of the number of seashells Tina had?

_____

❷

During July 304 kids went to Summer Camp. In August 17 fewer kids went to the camp. How many kids went to the camp in July and August?

_____

❸

Tarin set out to travel 423 miles to visit her friend Erin. She only made it 256 miles the first day. How many more miles does she need to go to get to her friend's house?

_____

beach →

❹

Annie started to collect stickers. She kept track of
how many she had in this table:

colors	# of flip flops
characters	79
puffy stickers	138
stars	123

What is a good estimate of how stickers that she has altogether?

_____

❺

Destiny's summer reading goal was to read for a total of 650
minutes. By the end of July she had read for 436 minutes. How
many more minutes did she need to reach her goal?

_____

❻

Parker kept track of what he sold at his lemonade stand in the
following table:

item	# sold
cookies	121
cups of lemonade	189
cupcakes	56

What is a good estimate of how many more cups
of lemonade he sold than cookies?

_____

GRAPHING & DATA COLLECTION

❼ Mrs. Jones' class took a survey to find out what their favorite pets were. How many more students liked cats than hamsters?

_____

Favorite Pets	
Cat	🐾 🐾 🐾 🐾 🐾
Dog	🐾 🐾
Hamster	🐾 🐾 🐾

Each 🐾 stands for 2 votes.

❽ This line plot shows the number of candy bars that Mr. Nelson's kids have. How many students have more than 5 candy bars?

_____

Candy Bars

Number of Students

```
                      x
            x         x
            x         x   x           x
x   x   x   x         x   x   x   x
0   1   2   3   4   5   6   7   8
```
Number of Candy Bars

❾
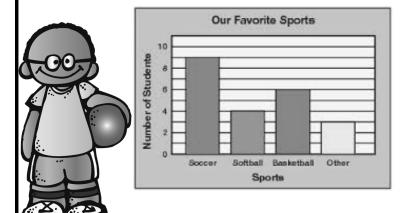
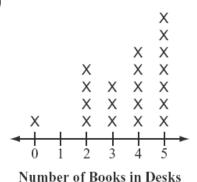| Favorite Flavors	
Flavor	Number
Vanilla	⎪⎪⎪⎪ ⎪
Chocolate	⎪⎪⎪⎪
Strawberry	⎪⎪⎪⎪ ⎪⎪⎪

Here is tally chart that shows the favorite ice cream flavors of the kids at summer camp. How many fewer kids like chocolate than strawberry?

_____

❿

Our Favorite Sports

According to this bar graph, how many students chose basketball and softball as their favorite sport?
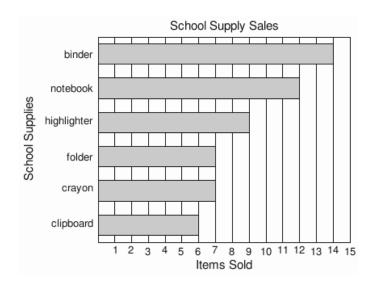
_____

⓫

Number of Books in Desks

At summer school some 2nd graders recorded the number of books they had in their desks. How many students had less than three books in their desk?

_____

⓬

It'll be time to buy school supplies before you know it! According to this graph, how many more notebooks were sold than folders?

_____

School Supply Sales

MULTIPLICATION

---

13 Taj made an array to show the number of baseball cards he was given at recent baseball game.

Write an equation (multiplication sentence) to show his total number of cards.

_____

14 Madeline arranged all of her new sea shells into 4 rows of 8. How many sea shells did she have in all?

_____

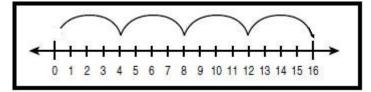**15** Hayden took all of his sandbox toys and put them into 3 different buckets. He put 4 toys in each bucket.

How many toys did he have in all?

_____

16

Conner was working on a math problem
and wrote this down on his paper:

5 + 5 + 5 + 5 + 5 + 5

He was told that he could solve the same problem quicker
with multiplication. What multiplication equation would give
him the same answer?

_____

17

Paul took 4 pictures at 4 different vacation spots.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

How many pictures did he take in all?

_____

18

Jacob made an array to show the number of stars in saw
in the sky last night while he was camping.

★ ★ ★ ★ ★
★ ★ ★ ★ ★

What other kind of array could he have made
to show the same number of stars?

_____

❶❾

Laura and her friends went to camp this summer. Every night, for 6 nights, they sang 3 songs around the campfire. How many songs did they sing in all?
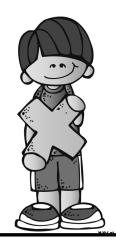
_____

❷⓪

While stuck in construction Alex saw 5 red cars on 4 different roads. How many red cars did he see in all?

_____

❷❶

Jade wrote down a pattern of numbers in her journal.

12, 16, 20, 24

What is the rule to this pattern?
(What is being done to each number to get the next number?)

_____

22

Which of the following multiplication sentences have an even product?

A. 2 x 7
B. 5 x 3
C. 11 x 3
D. 7 x 3

23

Jeff has 3 baseballs games every week of his 7 week summer vacation. How many baseball games does he have in all?

_____

24

Mark has 6 pairs of flip flops.
Each pair cost 5 dollars.

$5	$5	$5	$5	$5	$5

How much did all six flip flops cost him?

_____

㉕

Rory is taking 42 cookies to a party. The cookies come in packs of 6. How many packs of cookies should he take?

$$n \times 6 = 47$$

_____

㉖

One pitcher of lemonade has 30 grams of sugar. How many grams of sugar are in 6 pitchers of lemonade?

_____

㉗

Rafts are on sale! They are on a display like that looks like this:

Write an equation that could represent how many rafts are on display.

= 10 rafts

28

Erin had 48 gumballs to give her friends. If she wanted to share them with 8 different friends, how many gumballs did each friend receive?

_____

29

Molly drove to the beach 3 times. Each trip was 80 miles. How many miles did she drive?

_____

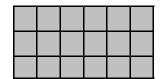**30**

Chris made a table to show how many fish the pet store has.

aquariums	1	2	3	4	5	6
fish	10	20	30	40	50	60

What is the rule for the pattern in the table?

_____

DIVISION

31 Justin cleaned 18 windows that were in 3 equal rows. How many windows did he clean in each row?

_____

32 Faith went on a jog along the beach. The jog was 21 miles long. She stopped every 7 miles for a break. How many times did she stop on her trip?

_____

33 Molly has 12 popsicles. She wants to give an equal amount to 6 of her friends. How many popsicles can she give each friend?

_____

34

There are 32 kids at the pool. They are spread out equally on 8 different towels. Write a division equation to show how many kids are on each towel.

_____

35

Kate wanted to do some summer reading. She bought some books at the store for $12. Each book was $1. How many books did she buy?

_____

36

Oliver divides his gumballs equally among 5 of his buddies. What division equation is represented by this picture?

_____

37

Billy used the order of operations to solve the equation below.

$$56 - 28 \div 7 = n$$
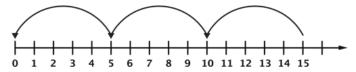
What is the unknown number?

_____

38

Penny gave Charlie 60 pieces of candy. He put 10 pieces in each baggie. How many baggies did Charlie use?

_____

39

Caroline caught 15 fireflies over 5 days time. She caught the same amount of fireflies each day.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

What division equation is represented by this number line?

_____

40 Gabby bought 4 boxes of candy bars. Each box had the same number of candy bars. Her friend gave her 5 more candy bars. Now she has 21 candy bars in all. How many candy bars were in each pack?

_____

41 Shyanne took all 36 of her new pieces of sidewalk chalk and put them into piles of 9. How many piles was she able to create?
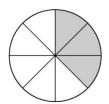
_____

42 There are 12 kids in the pool. There are 2 kids on each raft.

$$\frac{12}{-2}10\qquad \frac{10}{-2}8\qquad \frac{8}{-2}6\qquad \frac{6}{-2}4\qquad \frac{4}{-2}2\qquad \frac{2}{-2}0$$

What division equation represents the repeated subtraction, and tells how many rafts are in the pool?
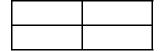
_____

FRACTIONS

43

Emmie made a pie for her friend T.J. She shaded a model to show how much of the pie was left over after the party.

What fraction of the pie was left?

_____

44

Frannie folded her beach towel up into equal parts.

What is the name for the parts?

_____

45

Bri found 5 conch shells on the beach yesterday. These conch shells represent 1/2 of all the shells found on vacation . How many shells has she found in all?
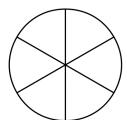
_____

46

Joanna and three of her friends
share 2 cookies.

How much does each
friend get?

_____

47

What fraction names point A on the
number line?

0 $\frac{1}{10}$ $\frac{2}{10}$ A $\frac{4}{10}$ $\frac{5}{10}$ $\frac{6}{10}$ $\frac{7}{10}$ $\frac{8}{10}$ $\frac{9}{10}$ 1

_____

48

Jason shaded part of a model
to show how many of his books
he read last week.

What fraction of his books did
he read?

_____

49

Katie ran 2/3 mile to the park. Jennie ran the same disance. What fraction is equivalent to 2/3?

_____

50

Chip was training for a marathon. He ran 4/6 mile on Monday, 2/6 mile on Tuesday, and 5/6 mile on Wednesday. Put the fractions in order from greatest to least.

_____

51

Ellie and Ella practiced skipping. Ellie skipped 1/5 mile last night. Ella skipped 4/5 mile. Circle the correct statement.

A. Ellie and Ella skipped the same distance.
B. Ellie skipped farther than Ella.
C. Ella skipped farther than Elli.
D. Ella skipped 1 less mile than Ellie.

52

1/3 of Brett's bike is blue, and 1/6 of Jimmie's bike is silver. Write a comparison statement to describe these fractions.

53

Tayna took 4/4 of a cake to her friend's birthday party. 4/4 is equivalent to what whole number?

54

Amanda was comparing the amount of pizza she had left over and the amount her brother had left over. She wrote this down as a comparison statement:

3/7 > 3/4

Is her statement correct?

_____

MEASUREMENT

55 Emily has a jug of water that holds 8 liters. Her friend, Kevin, has a jug that holds 12 liters. What is the total liquid volume of the two containers?

_____

56 Jal went to the swimming pool at 2:45 P.M. and swam until 3:22 P.M. How long did he swim at the pool?

_____

57 Tiffany used an inch ruler to measure a picture of a book. What is the length of this book to the nearest 1/4 inch?
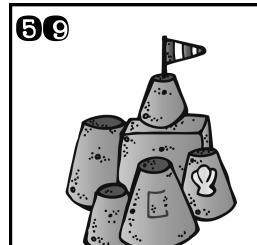
_____

❺❽

Which of the following objects would be
best measured with grams?

A. a picnic table
B. a popsicle
C. a sand box
D. a flower pot

❺❾

Patty started to build a sand castle
at 5:45 P.M. She finished at 6:18 P.M.
How long did it take Patty to build
the sand castle?

_____

❻⓿

This is what the clock showed
when Brandon left for swim lessons.
What time is shown on the clock?

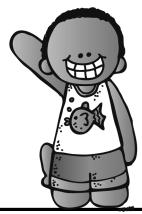twenty minutes before nine
OR
twenty minutes after eight

GEOMETRY

❻❶

Are the dotted lines in this picture parallel or perpendicular?

_____

❻❷

Which of the following is a ray?

A. ●

B. ⟷

C. ⟶

D. ⸺

❻❸

Tyrel drew a five sided shape in a picture that he made. What is the name of the polygon that he drew?

A. triangle

B. rectangle

C. trapezoid

D. pentagon

64

Gertie drew an open shape on her paper. Which of the following shapes did she draw?

A. ⬜ B. ⌒

C. ▱ D. ◯

65

Sandy drew a polygon with 4 equal sides, 2 sets of parallel sides, and 4 right angles. What is the name of the polygon that she drew?

_____

66

Lucy was asked to tell her teacher how many right angles the following shape has.

What should she have said?
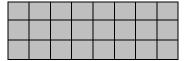
_____

AREA & PERIMETER

67

Guy drew a square on a piece of paper. The perimeter was 16 inches. What was the length of each side?
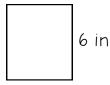
_____

68

Mandi is tiling her kitchen floor. Each tile is 1 square foot. What is a multiplication equation to find the area of her floor?

_____

69

Madeline is putting a frame around a picture that she made. What is the perimeter of her frame?

6 in

4 in

_____

70

What is the area of this kennel that Rufus
is living in (in sq. ft.)?

_____

71

If you need to know how much fencing
you would need to fence a yard, do you
need to know the perimeter or area?

_____

72

What is the perimeter (in feet) of this
patio that George has in his backyard?

_____

ANSWER KEY:

1) 200 seashells	13) 2 x 4 = 8 or 4 x 2 = 8	25) 7 packs
2) 591 kids	14) 32 seashells	26) 180 grams
3) 167 miles	15) 12 toys	27) 30 x 2 = 60 rafts
4) 280 stickers	16) 5 x 6 = 30 or 6 x 5 = 30	28) 6 gumballs
5) 214 minutes	17) 16 pictures	29) 240 miles
6) 100 more cups of lemonade	18) 5 rows of 2, 1 row of 10, or 10 rows of 1	30) multiply the number of aquariums by 10 to get the number of fish
7) 4 more students	19) 18 songs	31) 6 windows
8) 5 students	20) 20 cars	32) 3 times
9) 3 fewer kids	21) add 4 to the previous number	33) 2 popsicles
10) 10 students	22) A. 2 x 7 = 14	34) 32 ÷ 8 = 4 kids
11) 5 students	23) 21 games	35) 12 books
12) 5 more notebooks	24) $30.00	36) 15 ÷ 5 = 3 or 15 ÷ 3 = 5

ANSWER KEY:

37) n = 56	49) 4/6	61) parallel
38) 6 baggies	50) 5/6, 4/6, 2/6	62) C ——————→
39) 15 ÷ 5 = 3	51) C. Ella skipped farther than Ellie	63) D. pentagon
40) 4 candy bars	52) 1/3 > 1/6	64) A. ⌐_⌐
41) 4 piles	53) 1	65) a square
42) 12 ÷ 2 = 6	54) no, 3/7 < 3/4	66) 2 right angles
43) 3/8	55) 20 liters	67) 4 inches
44) fourths	56) 37 minutes	68) 3 x 8 = 24 or 8 x 3 = 24
45) 10 shells	57) 1 1/4 inch	69) 20 inches
46) 1/2 or 2/4	58) B. a popsicle	70) 23 sq. ft.
47) 3/10	59) 33 minutes	71) perimeter
48) 5/8	60) 20 minutes before 9	72) 18 feet

_____'s

SUMMER
reading
JOURNAL

Dear 3rd Grader,

Hello there! I know it's summer time, but I don't want you to fall behind in reading while you're busy relaxing. Please fill out the reading log and a journal page for every book that you read this summer. Your goal should be to read at least 10 fiction and 10 non-fiction books. Be sure to bring me back your work when you return to school. I can't wait to hear about your reading adventures!

Love,

Summer Reading Log

	book title	genre	tell us where you read the book
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			

- try to read 10 fiction and 10 nonfiction books
- try to read in fun places (a tree, a tent, front porch, a vacation spot, a grandparent's home, a hammock)

READING RESPONSE PAGE: FICTION

Book Title:

Book Author:

Book Genre (fantasy, realistic fiction, mystery, etc...:

Whose point of view was the story told from:

Summary of the Book:

_____

_____

_____

_____

_____

_____

_____

Tell us about a text to self connection:

READING RESPONSE PAGE: NON-FICTION

Book Title:

Author:

What sort of text features did you notice? (captions, headings..)

Create a list of facts that you've learned from this book:

_____

_____

_____

_____

_____

_____

Tell us about a text to self connection:

THANKS!
a bunch!

CREDIT GOES TO:

Be sure to follow
LESLIE'S LOCKER
for updates on new products and FREEBIES for your classroom!
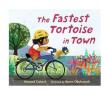
The Sunshine State Young Readers Award Junior Books
2025-2026

Picture Books:

The Fastest Tortoise in Town written by Howard Calvert and illustrated by Karen Obuhanych
Barbara Hendricks, a tortoise, has entered a road race, but what was she thinking? With only a week to go before the big day, she worries that she doesn't stand a chance against the other animals competing. Barbara's friend and owner, Lorraine, inspires her to train a little bit more each day and coaxes her out of her shell when the race day arrives. How intimidating to line up next to the slow loris, the snail, the sloth, and the walrus! But Barbara realizes that if she just tries her best, she's already won.

The Quacken written by Justin Colon and Pablo Pino
Lurking in the lake at Cucumonga Campground is a fearsome and frightening creature. Legend says that it swallows kids, canoes, and even whales whole. But all Hector sees are cute, cuddly, quacking ducks. Until he breaks the campground's most important rule--Don't Feed the Ducks--and releases...the Quacken.

Squirrel-ish written and illustrated by Bambi Edlund
At the park, people give squirrels free peanuts. And nobody screams when a squirrel crosses their path. But for Rat, it's all screams and no nuts ... until he comes up with a plan: be more like a squirrel--squirrel-ish!

We are Definitely Human written and illustrated by X Fang
When three mysterious visitors from "Europe" crash-land in Mr. Li's field, he does what any good host would: he invites them back to his farmhouse and offers to help fix up their "car". No, there's nothing strange about these guests at all. Just like other humans, they "make business", "play sportsball" and "wear hat". As the townsfolk also come to the aid of the visitors and the gathering turns into a little party, interplanetary relations reach an all-time high.

Mavis the Bravest written by Lu Fraser and illustrated by Sarah Warburton
Mavis is not like her adventurous friend Marge. Mavis is a chicken who finds EVERYTHING scary (night-time and daytime and anything hairy!). So when the slumbering peace of their cozy barn is disturbed by someone trying to steal their friend Sandra the sheep, will Mavis be able to find her bright spark of braveness and save Sandra?

Penny Lu Porcupine written by Katie Gilstrap and illustrated by Maribel Lechuga
Like all porcupines, Penny Lu is nearsighted. So while her incredible sense of smell leads her to all sorts of yummy food, predators can be hard to spot. Thankfully, her pointy quills make her look powerful. But sometimes Penny Lu doesn't feel powerful. And she wonders what she'd do if she came face-to-face with the predator she fears the most-THE BEAR!

How This Book Got Red written by Margaret Chiu Greanias and illustrated by Melissa Iwai
When Red discovers a new book about pandas, she can't wait to read it! Except it's about only one kind of panda, and red pandas are completely left out. Red never gets to read stories about pandas like herself! So she decides to take matters into her own paws and write her own book.

Lugi, the Spider Who Wanted to be a Kitten written by Michelle Knudsen and illustrated by Kevin Hankes

When a lady mistakes him for kitten, big hairy spider Luigi resists her kind advances until tasty breakfasts and getting tucked into bed convince him otherwise, but he soon learns what might be at stake when you pretend to be someone you're not.

The Spotless Giraffe written by Peter Millett and illustrated by Alison Hawkins

In this funny and heartwarming picture book, meet a shy little giraffe named Kipekee. She's a bit different from the other giraffes--she was born with no spots.

The Man Who Didn't Like Animals written by Deborah Underwood and illustrated by LeUyen Pham

There once was a man who loved his tidy home and who didn't like animals. Then one day, a cat appeared. The man and the cat both liked napping and watching the rain and eating dinner precisely at six. Well, maybe this one animal could stay. Next came a dog . . .

Independent Readers:

Orris and Timble: The Beginning written by Kate DiCamillo and illustrated by Carmen Mok
Orris the rat lives alone in an old barn surrounded by his treasures, until the day his solitude is disrupted by a sudden flutter of wings and a loud screech. A small owl has gotten caught in a trap in the barn. Can Orris 'make the good and noble choice' and rescue the owl, despite the fact that owls and rats are natural enemies? And if he does, will he be ready for the consequences?

Scare School Diaries: Welcome to Scare School written and illustrated by Jarrett Lerner
Bash is a young ghost who has never been good at scaring people is nervous about his first day at scare school, where he will learn to master the necessary skills to become a successful ghost.

Kwame's Magic Quest: Rise of the Green Flame written by Bernard Mensah and illustrated by Natasha Nayo
Eight-year-old Kwame is eager to start Juju School and learn calabash magic, yet none of the teachers can figure out what kind of magic is in his gourd. When one of Kwame's new friends is possessed by an evil magic, its power is revealed.

Disaster Squad: Wildfire Rescue written by Rekha Rajan and illustrated by Courtney Lovett
The Jackson family, including eight-year-old Jaden and his sister Leela, travel the United States responding to disasters, helping people and rescuing animals--but they have never responded to a wildfire like the one raging in Northern California.

George the Flybot and the Lost Camera on Mount Everest by Nessa Bellido Schwarz
Meet George the flybot, a one-of-a-kind robotic fly on his first secret mission! With instructions from Darcy Luna, his boss at Fly on the Wall Inc., George zips off to the Himalayas to search for a camera that went missing during George Mallory's ill-fated 1924 Mount Everest summit attempt. George understands that he might change history by discovering who really conquered Mount Everest. But George has another mission of his own: to learn more about how humans act and feel, and maybe--just maybe--find a friend.