

Future Fifth Grade Students!



Summer Homework
Due: September 5, 2018

Student: _____

Parent Signature: _____

Raz-Kids - Raz-Kids.com

Username _____

Password _____

Reflex Math - Reflexmath.com

Username _____

Password _____

Think Central - www.K6.thinkcentral.com/ePC/start.do

Username _____

Password: 12345

June 2018

Dear Fourth Grade Parents/Guardians,

Welcome to fifth grade! This is an exciting year for you and your child, because your child will be graduating from P.S. 108 in June of 2019. In order to prepare your child for fifth grade and ensure his/her success, we have provided a suggested list of books for your child to read during the summer vacation. Also included are activities for your child to complete after reading the selected books from the list. If your child does not already have a library card, now is a great time to apply so that you can borrow books for the summer and throughout the year. Bookstores and online retailers are another way to go if you want to purchase the books.

Your child must read a **minimum of two books** from different genres this summer. We would like your child to read books that engage them and spark their interest, *so if one of the books we suggested does not interest them, please allow them to choose a book that they wish to read.* Be sure they are choosing a "just right book" that they can read well; not too easy, not too difficult. They are required to complete 2 reading projects of their choice (attached) using 2 of the books they read. In addition, we encourage your child to frequently log on to Razkids.com to support his/her reading fluency and comprehension.

Following the reading activities are a variety of math problems your child is expected to complete. Additionally, please encourage your child to continue to log on to Reflexmath.com and Thinkcentral.com to support his/her mathematical fluency.

You will also find a list of school supplies your child will need for the upcoming year, following this letter.

Thank you for your support. See you in September!!
5th grade Teachers

Fifth Grade Supply List

<ul style="list-style-type: none">• 9 marble notebooks, labeled with first and last name. (Keep 2 at home to replenish throughout the year.)• 8 two-pocket folders (labeled with name)• 1 pack of 24 crayons• 1 pack of 10 markers• 3 packs of post-it notes (3"x3" or larger)• Boys-one pack of red pens to share with class• Girls-one pack of green pens to share with class.• 4 highlighters of various colors• 3 dozen sharpened #2 pencils• 1 dozen #2 pencils to share with class.• 1 twelve-inch ruler with centimeters• 2 rolls of paper towels• 4 boxes of tissues• 2 packages of baby wipes• 1 bottle of hand sanitizer to share with class.	<ul style="list-style-type: none">• 1 package of quart-sized Ziploc Baggies• 1 package of gallon-sized Ziploc Baggies• 1 packages of loose-leaf paper (wide-ruled)• 2 packages of dry erase markers• 2 packages of 8 ½ x 11 copy paper• 4 glue sticks (small)• 1 pair of scissors• 1 hand held sharpener• 1 set of inexpensive ear buds (headphones) to keep in class• 1 USB memory stick <p><i>*In an effort to conserve space, please do not purchase large pencil cases.</i></p> <p><i>*Having a reusable water bottle will be helpful throughout the year to eliminate the need to frequently visit the water fountain.</i></p> <p><i>*A daily snack is suggested and should be small, healthy, and peanut free.</i></p>
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Suggested Summer Reading List 2018

<u>Book</u>	<u>Author</u>	<u>Reading Level</u>
-A Wrinkle In Time	Madeleine L' Engle	W
-Marley Dias Gets it Done	Marley Dias	V
-Inside out & Back Again	Thanhha Lai	U
-The Quest Of the Cubs	Kathryn Lasky	T
-I Survived the Children's Blizzard 1888	Lauren Tarshins	S
-Captain Underpants and the Sensational Saga of Sir Stinks-A-Lot	Dav Pilkey	R
-Dog Man and Cat Kid	Dav Pilkey	Q
-Detention of Doom	Dustin Nguyen, Derek Ftidolfs	P

*These are suggested titles. Students may also read books that align with the reading levels on their June report cards.

Book Project Choices:

★Choose 2★

①

Write 3 diary entries that a character would write that include details about the story.

- Diary entries should be at least 10 sentences each.
- Diary entries can be typed or handwritten.
- *Fiction (Realistic, Historical); Mystery; Fantasy; Biography or Autobiography*

②

Make two "wanted" posters for 2 characters in the book.

- Choose 2 characters from the book for which you will make posters.
- Research sample wanted posters. Information to include on your poster: the "crime," physical description, where the character was last seen, and reward amount.
- *All genres*

③

Create a Venn diagram to show similarities and differences in the traits of the main character and yourself.

- Have at least 5 similarities between main character and you
- Have at least 5 differences for the main character and 5 differences for you (no repeats!)
- Minimum total of written pieces of information = 15
- *Fiction (Realistic, Historical, Mystery); Biography & Autobiography*

④

Write out an interview between you and a character.

- Write 10 questions to ask your character. Then, answer each question as you think the character would respond.
- *All genres*

⑤

Create an illustrated timeline showing important events from the book.

- Choose at least 10 important events from the story. Write a description of each event, and draw & color an illustration for each event.
- The events must be in the order in which they occurred.
- *All genres*

⑥

Send three postcards from one of the characters to your teacher.

- On the back of each postcard, write a short summary of an important event from the story.
- On the front, illustrate that event.
- *Fiction (Realistic, Historical); Mystery; Fantasy*

⑦

Create a book award.

- Choose a book award to give to your book. Create a ribbon for the award.
- Draw and color the book cover, and place the book award ribbon on the cover.
- On the back of the book cover, explain why you are giving the award to the book.
- *All genres*

⑧

Write a comic book version of your book.

- Use 8 1/2 x 11 inch paper (Create the book on the full page or folded hamburger-style.)
- Comics should be colored.
- *Fiction (Realistic, Historical); Mystery; Fantasy*

Name _____

Concepts and Skills

Round to the nearest whole dollar or to the nearest whole number. (pp. 275–276)

1. \$7.23

2. 2.89

3. 0.52

4. \$9.49

Compare the decimals. Write $<$, $>$, or $=$. (pp. P277–P278)

5. 0.6 0.60 6. 5.08 5.80 7. 8.14 8.17 8. 7.37 7.32

Read and write the numbers in two other forms. (pp. P271–P272)

9. seventy-five million, three hundred thousand, two hundred seven

10. $30,000,000 + 40,000 + 6,000 + 20 + 2$

Decompose each number. (pp. P279–P280)

11. $20 =$ _____

12. $740 =$ _____

13. $6,000 =$ _____

Problem Solving **REAL WORLD**

14. A new music website is keeping track of the number of members that join. The table shows the number of members in the first four days. If the pattern continues, how many members will the website have on day 6?

Explain how you found your answer. (pp. P281–P282)

Day	1	2	3	4
Members	5	15	45	135

15. A particular female Asian elephant weighs 4.63 tons. What is this decimal written in word form? (pp. P273–P274)
- (A) four and sixty-three tenths
 - (B) four and sixty-three hundredths
 - (C) four hundred and sixty-three
 - (D) four and sixty-three thousandths
16. Joe, Adam, Michael, and Carl all work at an office. Joe earns \$15.53 per hour. Adam earns \$15.59 per hour. Carl earns \$15.95 per hour. Michael earns \$15.91. Who earns the most money per hour? (pp. P277–P278)
- (A) Joe
 - (B) Adam
 - (C) Carl
 - (D) Michael
17. Which number is ninety-eight million, forty thousand, six hundred fifty three written in another form? (pp. P271–P272)
- (A) 98,040,653
 - (B) 98,400,653
 - (C) 98,046,053
 - (D) 98,40,653
18. Which rule describes the pattern below? (pp. P281–P282)
- 3, 12, 48, 192
- (A) Multiply by 2.
 - (B) Multiply by 3.
 - (C) Add 9.
 - (D) Multiply by 4.

Name _____

Concepts and Skills

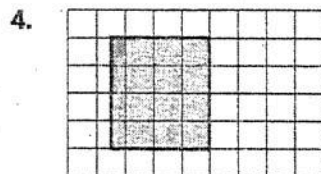
Find each product.

1. $(13 \times 8) \times 5 =$ _____

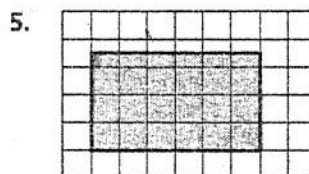
2. $7 \times (12 \times 8) =$ _____

3. $4 \times (17 \times 3) =$ _____

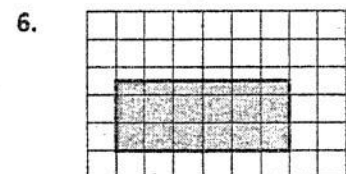
Find the area of the shaded shape. Write the area in square units. (pp. P299–P300)



1 square = 4 square yards

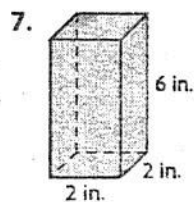


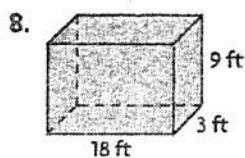
1 square = 16 square feet

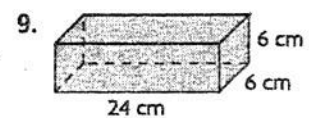


1 square = 25 square meters

Find the area of the base of the rectangular prism. (pp. P303–P304)







Problem Solving **REAL WORLD**

10. There are 6 grades competing in a spelling bee. Each grade has 10 teams. Each team has 4 members. How many members are competing in the spelling bee? (pp. P301–P302)

Name _____

Concepts and Skills

Complete each statement with *greater than* or *less than*. (pp. P289–P290)

1. $3 \times \frac{3}{9}$ will be _____ 3. $\frac{7}{8} \times 3$ will be _____ $\frac{7}{8}$.

Add or subtract. Use fraction strips to help. (pp. P285–P288)

3. $\frac{1}{2} + \frac{2}{10} =$ _____ 4. $\frac{1}{4} + \frac{5}{8} =$ _____ 5. $\frac{4}{6} + \frac{1}{3} =$ _____
6. $1 - \frac{5}{6} =$ _____ 7. $\frac{7}{8} - \frac{1}{4} =$ _____ 8. $\frac{3}{5} - \frac{4}{10} =$ _____

Write the division problem as a fraction. Write each fraction greater than 1 as a whole number or mixed number. (pp. P293–P294)

9. $7 \div 8 =$ _____ 10. $8 \div 5 =$ _____ 11. $16 \div 3 =$ _____

Use repeated subtraction to divide. (pp. P291–P292)

12. $3 \div \frac{1}{5} =$ _____ 13. $4 \div \frac{1}{2} =$ _____ 14. $6 \div \frac{1}{3} =$ _____

Problem Solving **REAL WORLD**

15. Manny had $\frac{3}{4}$ of his paper written. He wrote another $\frac{1}{8}$ of the paper today. What fraction of the paper does he have left to write now?
Explain how you found your answer. (pp. P285–P288)

Fill in the bubble completely to show your answer.

16. Mr. Martin is going to paint 5 small rooms. He needs $\frac{3}{4}$ gallon of paint for each room. How much paint will he need to paint all of the rooms? (pp. P289–P290)

(A) less than $\frac{3}{4}$ gallon
(B) more than $\frac{3}{4}$ gallon
(C) exactly $\frac{3}{4}$ gallon
(D) exactly 5 gallons

17. A chef is preparing individual-size pies. She has 4 cups of strawberries to put in the pies. She wants to put $\frac{1}{4}$ cup of strawberries in each pie. How many pies can she make?

(pp. P291–P292)

(A) 4
(B) 8
(C) 14
(D) 16

18. Which shows the division problem $6 \div 4$ written as a fraction or mixed number? (pp. P293–P294)

(A) $\frac{4}{6}$
(B) $1\frac{1}{4}$
(C) $1\frac{2}{4}$
(D) $2\frac{2}{4}$

19. Pablo ate $\frac{1}{4}$ of a pizza yesterday and $\frac{3}{8}$ of the pizza today. What fraction of the pizza did he eat in all? (pp. P285–P286)

(A) $\frac{5}{8}$
(B) $\frac{4}{12}$
(C) $\frac{4}{8}$
(D) $\frac{3}{8}$

Name _____

Choose the correct answer.

1. The population of the United States is about 310,845,000. Which is the value of the 1 in that number?

A 100,000
B 1,000,000
C 10,000,000
D 100,000,000

2. Which number is the standard form of five million, three hundred six thousand, ninety-five?

A 500,360,095
B 50,306,095
C 5,306,095
D 5,306,950

3. A crayon factory has 3,600 crayons that need to be packaged into boxes with 40 crayons in each box. How many boxes of crayons will there be?

A 9 boxes
B 90 boxes
C 800 boxes
D 900 boxes

4. The food pantry has 1,000 cans of soup to sort. The cans are divided equally among 50 crates. How many cans are in each crate?

A 20 cans
B 50 cans
C 200 cans
D 500 cans

Name _____

5. Jenna saved 9 dollars each week for 6 weeks. Then she spent 5 dollars of the money she saved. Which expression and answer tells how much Jenna has left?

A $6 + (9 - 5)$; 10 dollars
B $6 \times 9 - 5$; 49 dollars
C $6 \times (9 - 5)$; 24 dollars
D $6 \times 9 + 5$; 59 dollars

6. What is the value of the expression $50 \div 5 - (5 + 1)$?

A 4
B 6
C 16
D 51

7. David bought a large duffel bag for \$55.96. Elena bought a smaller bag for \$41.13. How much did they spend on both duffel bags?

A \$96.09
B \$96.83
C \$97.09
D \$97.90

8. Denise spent \$79.98 on snow boots and \$43.18 on rain boots. How much did Denise spend in all?

A \$123.16
B \$123.06
C \$123.00
D \$113.16

Name _____

9. What are the next two numbers in the pattern?

2, 8, 32, 128, _____, _____

A 256, 1,024

B 482, 1,928

C 512, 1,024

D 512, 2,048

10. Which describes the following pattern?

1, 5, 25, 125, ...

A Add 4

B Add 5

C Multiply by 5

D Multiply by 10

11. Max spent \$11.19 at the bakery. How much did he spend, rounded to the nearest dollar?

A \$12.00

B \$11.20

C \$11.10

D \$11.00

12. Brianna has 40.75 inches of ribbon for a sewing project. About how many inches of ribbon does Brianna have rounded to the nearest inch?

A about 41 inches

B about 40.8 inches

C about 40.7 inches

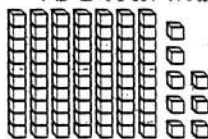
D about 40 inches

GO ON 

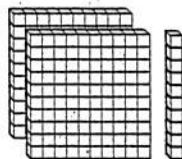
Name _____

Write the correct answer.

13. Mario has 78 photos that he wants to put in an album. The photo album has 13 pages. How many photos can Mario put on each page?



14. Gwen has \$210. For how many weeks can Gwen spend \$10 a week before she runs out of money?



15. Mrs. Newton mails a letter that weighs 10.05 ounces. Write the word form of 10.05.

16. What is the value of the underlined digit in the decimal 9.48?

Name _____

17. An author signed 410 copies of his book at a special event at the book store. Decompose 410 into two factors. Use 10, 100, or 1,000 as one factor.
- _____

18. An exhibit of ocean birds at the aquarium has a tank that holds 6,000 gallons of salt water. Decompose 6,000 into two factors. Use 10, 100, or 1,000 as one factor.
- _____

19. Ava wants to buy a ticket for a concert. Orchestra seats cost \$79.26 each, but balcony seats cost \$58.48 each. How much will Ava save by buying a ticket for a balcony seat?
- _____

20. Zach has \$80.00 to spend on groceries. The bill comes out to \$68.03. How much change does Zach get?
- _____

Name _____

- 21.** The temperatures in two U. S. cities at the same time were 54.9°F and 54.09°F . Compare the decimals. Write $<$, $>$, or $=$.
- _____

- 22.** Marci practiced guitar for 1.2 hours. Duane practiced piano for 1.25 hours. Compare the decimals. Write $<$, $>$, or $=$.
- _____

- 23.** List the operations in the correct order to find the value of the expression.

$$(10 - 5) \times 2 + 3$$

- 24.** Read and write the decimal in two other forms.
- seven and thirty-eight hundredths
- _____

- 25.** Maria spent \$79.05 on a dress and \$9.30 on socks. How much more did she spend on the dress than on the socks?
- _____

Name _____

Constructed Response

26. Mitch puts 84 bran muffins into boxes. Each box holds 12 bran muffins. How many boxes will Mitch need? Describe how you would use base-ten blocks to solve.

Extended Constructed Response

27. A craft show at a local high school made a profit of \$729.86 on the first day and \$469.50 on the second day.

- A What was the total amount of money earned? Explain how you might check your answer for reasonableness.

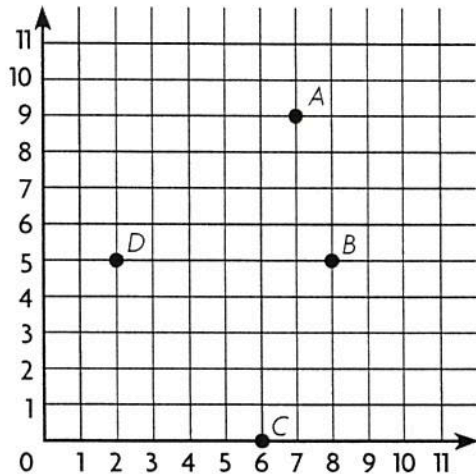
- B There were 20 different craft booths at the fair. If each craft booth earned the same amount of money, estimate the amount each booth earned. Explain how you found your answer.

Name _____

Choose the correct answer.

Use the grid for 1–4.

A company has four coffee shops in one city. The grid shows the location of each coffee shop.



1. Which ordered pair tells the location of Coffee Shop D?

(A) (2, 5) (C) (5, 5)
(B) (5, 2) (D) (5, 8)

2. Which ordered pair tells the location of Coffee Shop A?

(A) (7, 0) (C) (9, 7)
(B) (7, 9) (D) (9, 9)

3. Which ordered pair tells the location of Coffee Shop C?

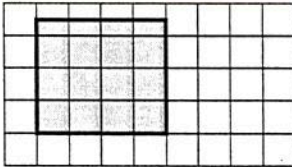
(A) (0, 6)
(B) (6, 0)
(C) (6, 6)
(D) (9, 0)

4. Which best describes how to move from Coffee Shop D to Coffee Shop B?

(A) Move 8 units to the right.
(B) Move 6 units up.
(C) Move 6 units to the left.
(D) Move 6 units to the right.

Name _____

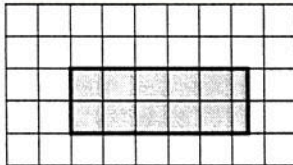
5. The park director drew this model of a playground. Each square has an area of 6 square yards.



1 square = 6 square yards

What is the area of the playground?

- (A) 90 square yards
 - (B) 84 square yards
 - (C) 72 square yards
 - (D) 48 square yards
6. Ms. Rinaldi made a model of the hallway she wants to carpet. Each square has an area of 4 square feet.

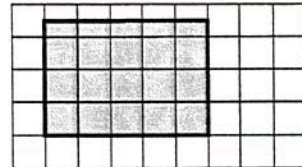


1 square = 4 square feet

What is the area of the hallway?

- (A) 44 square feet
- (B) 42 square feet
- (C) 40 square feet
- (D) 36 square feet

7. The mayor looked at this grid of his town. Each square has an area of 10 square miles.



1 square = 10 square miles

What is the area of the town?

- (A) 175 square miles
- (B) 150 square miles
- (C) 125 square miles
- (D) 50 square miles

8. Juan is cutting lumber into $\frac{1}{2}$ -foot lengths. How many $\frac{1}{2}$ -foot lengths will he get from an 8-foot long piece of lumber?

- (A) 16
- (B) 8
- (C) 6
- (D) 4

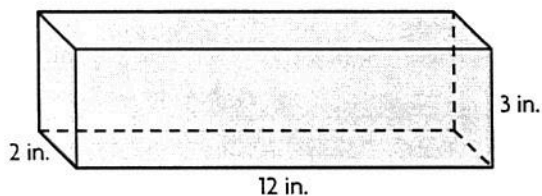
9. Eli has 3 cups of mixed nuts. He wants to divide it into portions that are $\frac{1}{4}$ -cup each. How many portions can he make?
- (A) 6
(B) 7
(C) 12
(D) 24
10. Amber has a pitcher filled with 4 cups of orange juice. She pours out $\frac{1}{2}$ -cup servings until the pitcher is empty. How many $\frac{1}{2}$ -cup servings does she make?
- (A) 16
(B) 12
(C) 8
(D) 6
11. A store has 2 separate displays of color markers. There are 16 sets of color markers in each display. If there are 4 markers in each set, how many markers in all are on display?
- (A) 32
(B) 64
(C) 128
(D) 148
12. There are 5 ballet classes at each of Dixon's Dance Studios. Each ballet class has 12 students. If there are Dixon Dance Studios in 4 different cities, how many ballet students are there in all?
- (A) 240 students
(B) 200 students
(C) 120 students
(D) 60 students

Name _____

Write the correct answer.

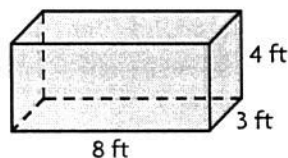
- 13.** A florist makes 4 different color bouquets of roses. There are 15 bouquets of each color, and one dozen roses in each bouquet. How many roses are there in all of the bouquets?

- 14.** Maddy is making wooden blocks to use as game cubes. Each block is a cube one inch long on each edge. The cubes will fit in the bottom layer of this game box.



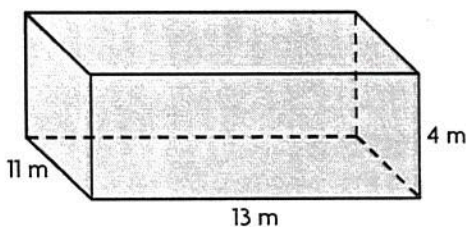
How many cubes will fit in the bottom layer of the game box?

- 15.** Alex and Philip are building a play fort in their back yard. It is in the shape of this rectangular prism.



What is the area of the floor of their fort?

- 16.** Mya is looking for stone tiles for the floor of a greenhouse. The greenhouse will have the dimensions of this rectangular prism.



What is the floor area that Mya will need to cover with stone tiles?

Name _____

- 17.** Mr. Martin cooked some chili. His family ate $\frac{1}{3}$ of the chili for dinner. Later, as a snack, the family ate $\frac{1}{6}$ more of the chili. What part of the chili was eaten in all?
- _____

- 19.** Josh needs $\frac{2}{3}$ hour to weed a garden and $\frac{1}{12}$ hour to water the garden. What part of an hour do these two jobs take?
- _____

- 18.** In January of one winter, $\frac{3}{10}$ of a wood pile was used in a wood stove. In February, $\frac{2}{5}$ of the wood pile was used. What part of the wood pile was used up at the end of February?
- _____

- 20.** It is $\frac{3}{5}$ mile from Elaine's home to her school. It is $\frac{1}{10}$ mile from her home to the library. How much farther is Elaine's home from her school than it is from the library?
- _____

Name _____

21. Jacob had $\frac{3}{4}$ of his book report left to do. He completed $\frac{3}{8}$ more of the report today. What fraction of the book report does Jacob still need to do?
- _____

22. Luis played soccer for $\frac{1}{2}$ hour. Gabriella played soccer for $\frac{5}{6}$ hour. What part of an hour more did Gabriella play than Luis?
- _____

23. Write the division problem $1 \div 9$ as a fraction or a mixed number.
- _____

24. A group of people buys 5 pounds of corn meal to divide equally among 6 families. Write a fraction or mixed number that shows how many pounds of corn meal each family gets.
- _____

25. Vanessa uses $\frac{3}{4}$ pound of flour to make a loaf of bread. To make 6 loaves, will she use more than 6 pounds of flour or less than 6 pounds of flour?
- _____