John P. Freeman Optional School

Zone 12

2023 Summer 5th Grade Packet



Student Name

(Please be sure to write your initials on the line at the bottom of each page.)

This packet contains math concepts that may or may not have been taught in your previous classes but are important for 5th grade. Students enrolled in 5th grade Math for the 2023-2024 school year are expected to submit a completed packet during the first week of school on Friday, August 7, 2023.

5th Grade Summer Math Packet Instructions

Student Name

- 1. This packet has 6 sections, and it is recommended that students work on one section each week during the summer. It is **not** recommended to complete this packet immediately following school dismissal **nor** the night before the packet is due. Student learning is most effective if the packet is worked on throughout the summer at a steady pace.
- 2. You should complete the problems without a calculator, and you should **show all your work.** Use additional paper, if needed. **No credit will be provided if your work is not shown.**
- 3. After completing a section, rate your understanding of each week's topic by circling the image in the chart below.
 - Smiley face You understand ALL the concepts for that week and would be able to teach it to another student.
 - Neutral face You understand the concepts for the most part
 - Confused face You do not understand these concepts and need help reviewing.

WEEK	MATH TOPIC	MY RATING	
1	Finding Simple Quotients		
2	Place Value		
3	Place Value Understanding		

4	Add and Subtract Multi-Digit Whole Numbers	•••	
5	Multiply Multi-Digit Whole Numbers	••	
6	Equivalent Fractions	••	

What do I do if I don't understand something?

- Use your resources (online help sites, iReady, videos, parents, siblings, etc.)
- You may use the reference links in this packet to help you.
- Make a note of the topic/question on the rating chart and ask your teacher to review it during the first week of school.

What happens next?

- Concepts will be reviewed and discussed during the first week of school.
- Students will receive both a participation grade and an assessment grade, based on the packet completion. (Your teacher will discuss this with you August 7, 2023.)

We are excited about working with all of the students entering 5th grade in 2023-2024. We want all students to feel prepared, confident, and successful for all the important new concepts they will learn next year.



Rising 5th Grade <u>RESOURCES</u>

WEEK	МАТН ТОРІС	VIDEO & TUTORIAL LINKS
1	Finding Simple Quotients	 https://youtu.be/KGMf314LUc0 https://youtu.be/rGMecZ_aERo
2	Place Value	 https://www.khanacademy.org/math/cc-fifth-grade-math/imp-place- value-and-decimals/imp-decimal-place-value-intro/v/place-value- with-decimals
3	Place Value Understanding	 https://youtu.be/eLRMI2ZX5Qw https://youtu.be/iK0y39rjBgQ https://youtu.be/nrOA1U5jH6Q
4	Add and Subtract Multi-Digit Whole Numbers	 https://youtu.be/TVtdqRNJmiw https://youtu.be/buyK1y4rV3E
5	Multiply Whole Numbers	https://youtu.be/O2ifHv-3dZAhttps://youtu.be/DaQlieZH1kk
6	Equivalent Fractions	https://youtu.be/N1X0vf5PUz4

Week #1 Find Simple Quotients

Division Worksheet

10 a.
$$45 \div 9 =$$

Fill in the blanks for each problem.

$$12 \div 6 =$$

$$72 \div 9 =$$

$$55 \div 5 =$$
 _____ $56 \div 8 =$ ____ $42 \div 7 =$ ____

$$36 \div 3 =$$

$$20 \div 4 =$$

$$15 \div 3 =$$
 $63 \div 7 =$

$$36 \div 4 =$$

Week #2 Place Value

Determine which choice best answers each question.

1)	Which is the place value of the 2 in the number 7,293?	2)	Which is the place value of the 4 in the number 458,961?
	A. tens		A. ones
	B. thousands		B. hundred thousands
	C. hundreds		C. hundreds
	D. ones		D. ten thousands
3)	Which is the place value of the 3 in the number 43,187,596?	4)	Which is the place value of the 2 in the number 1,628?
	A. ten millions		A. ones
	B. ten thousands		B. tens
	C. thousands		C. hundreds
	D. millions		D. thousands
5)	Which is the place value of the 8 in the number 56,287?	6)	Which is the place value of the 7 in the number 3,867,412?
	A. tens		A. thousands
	B. ones		B. hundreds
	C. thousands		C. hundred thousands
	D. hundreds		D. ten thousands
7)	Which is the place value of the 2 in the number 7,253,896?	8)	Which is the place value of the 6 in the number 12,465?
	A. ones		A. thousands
	B. hundreds		B. hundreds
	C. tens		C. ones
	D. hundred thousands		D. tens
9)	Which is the place value of the 3 in the number 86,793,425?	10)	Which is the place value of the 5 in the number 92,751?
	A. ten thousands		A. ones
	B. thousands		B. ten thousands
	C. ones		C. tens
	D. ten millions		D. thousands
11)	the number 2,473,869? A. ones B. millions	12)	Which is the place value of the 4 in the number 4,695? A. thousands B. ones
	C. thousands		C. hundreds
	D. hundred thousands		D. tens

Solve	Solve each problem. Answers				
	Using the numbers: 9, 8, 7				
La,	What is the smallest number you can create?	Ex. 789			
1)	Using the numbers: 7, 3, 4	1.			
	What is the smallest number you can make with a 4 in the tens place?				
2)	Using the numbers: 1, 4, 0	2			
	What is the largest number you can make with a 0 in the hundreds place?	2			
•		3.			
3)	Using the numbers: 6, 5, 9	4.			
	What number can you make that is smaller than 596?				
4)	Using the numbers: 2, 0, 1	5			
	What is the smallest number you can make with a 1 in the tens place?				
5)	Using the numbers: 0, 2, 5	6			
3)	What is the largest number you can make with a 5 in the hundreds place?	_			
	what is the largest number you can make with a 5 in the numbers place.	7			
6)	Using the numbers: 7, 0, 8	8.			
	What number can you make that is smaller than 087?				
7)	Using the numbers: 8, 4, 5	9.			
,	What is the largest number you can create?				
0)		10			
8)	Using the numbers: 4, 7, 5				
	What is the largest number you can make with a 5 in the hundreds place?	11			
9)	Using the numbers: 7, 2, 3	12			
	What is the smallest number you can make with a 3 in the tens place?	12.			
10)	Using the numbers: 3, 2, 5	13.			
10)	What is the smallest number you can create?				
	What is the shallest hamest yet our electe.	14			
11)	Using the numbers: 6, 9, 8				
	What number can you make that is larger than 968?				
12)	Using the numbers: 7, 8, 9				
	What is the smallest number you can create?				
13)	Using the numbers: 1, 0, 9				
	What is the largest number you can create?				
14)	Using the numbers: 1, 3, 7				
	What number can you make that is larger than 713?				
	'	ı			

Week #3 Understanding Place Value

Write the number in word form.			
1)	7,113		
2)	2 207		
2)	2,307		
3)	7,690		
40	2,370		
٠,	2,370		
5)	77,494		
11 /-	ite the numbe	_	
1)	three thousan	nd, seven hundred eighty-eight	
2)	six thousand	l, six hundred twenty-one	
3)	two thousand	d, seven hundred sixty-three	
40	four thousan	d one hundred coverty four	
•	iour mousan	d, one hundred seventy-four	
5)	seven thousa	and, two hundred nine	

Rewrite each number in expanded form.

- **1)** 801,945
- 2) 96,530
- **3)** 2,927
- **4)** 7,234
- 5) 499,359

Use >, < or = to compare the two numbers.

- 1) 9,601 9,106
- **2)** 253 ____235
- 3) 668,733 ___668,734
- **4)** 75 70
- **5)** 164___146
- **6)** 116,801 116,799
- 7) 9,742 ____9,274

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Week #4 Add and Subtract Multi-Digit Whole Number

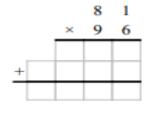
Solve each problem.

Use subtraction to solve the following problems.

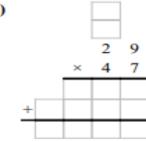
Week #5 Multiply Multi-Digit Whole Numbers

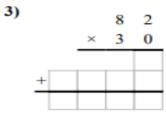
Solve each problem.

1)

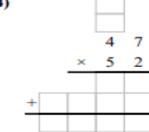


2)

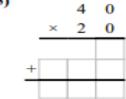




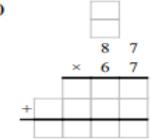
4)



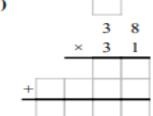
5)



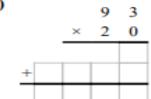
6)



7)



8)



Week #6 Equivalent Fractions

Reduce each fraction as much as possible.

$$\frac{8}{16} = \frac{1}{2}$$

$$\frac{1}{8}$$

$$\frac{12}{32}$$
=

$$\frac{6}{16}$$
=

$$\frac{10}{12}$$
 =

$$\frac{10}{30}$$
 =

$$\frac{6)}{40} =$$

$$\frac{18}{24}$$
 =

$$\frac{2}{12}$$
=

$$\frac{9)}{9} = \frac{3}{9} = \frac{3}{9}$$

$$\frac{10)}{64} =$$

