

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 RESOURCES

WEEK	MATH TOPIC	VIDEO & TUTORIAL LINKS
1	Finding Simple Quotients	<ul style="list-style-type: none">• https://youtu.be/KGMf314LUc0• https://youtu.be/rGMecZ_aERo
2	Place Value	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• https://youtu.be/eLRMI2ZX5Qw• https://youtu.be/iK0y39rjBgQ• https://youtu.be/nrOA1U5jH6Q
4	Add and Subtract Multi-Digit Whole Numbers	<ul style="list-style-type: none">• https://youtu.be/TVtdqRNJmiw• https://youtu.be/buyK1y4rV3E
5	Multiply Whole Numbers	<ul style="list-style-type: none">• https://youtu.be/O2ifHv-3dZA• https://youtu.be/DaQlieZH1kk
6	Equivalent Fractions	<ul style="list-style-type: none">• https://youtu.be/N1X0vf5PUz4

Week #1 Find Simple Quotients

Division Worksheet

1 a. $16 \div 2 = \underline{\quad}$

1 b. $36 \div 9 = \underline{\quad}$

2 a. $48 \div 6 = \underline{\quad}$

2 b. $24 \div 3 = \underline{\quad}$

3 a. $40 \div 8 = \underline{\quad}$

3 b. $35 \div 5 = \underline{\quad}$

4 a. $72 \div 9 = \underline{\quad}$

4 b. $28 \div 7 = \underline{\quad}$

5 a. $56 \div 8 = \underline{\quad}$

5 b. $36 \div 4 = \underline{\quad}$

6 a. $12 \div 6 = \underline{\quad}$

6 b. $50 \div 5 = \underline{\quad}$

7 a. $55 \div 11 = \underline{\quad}$

7 b. $50 \div 10 = \underline{\quad}$

8 a. $100 \div 10 = \underline{\quad}$

8 b. $21 \div 3 = \underline{\quad}$

9 a. $12 \div 2 = \underline{\quad}$

9 b. $56 \div 7 = \underline{\quad}$

10 a. $45 \div 9 = \underline{\quad}$

10 b. $72 \div 12 = \underline{\quad}$

Fill in the blanks for each problem.

$12 \div 6 = \underline{\quad}$

$70 \div 7 = \underline{\quad}$

$40 \div 5 = \underline{\quad}$

$4 \div 1 = \underline{\quad}$

$4 \div 4 = \underline{\quad}$

$84 \div 7 = \underline{\quad}$

$18 \div 2 = \underline{\quad}$

$56 \div 8 = \underline{\quad}$

$72 \div 9 = \underline{\quad}$

$44 \div 4 = \underline{\quad}$

$10 \div 1 = \underline{\quad}$

$24 \div 3 = \underline{\quad}$

$40 \div 4 = \underline{\quad}$

$4 \div 2 = \underline{\quad}$

$28 \div 7 = \underline{\quad}$

$45 \div 5 = \underline{\quad}$

$11 \div 1 = \underline{\quad}$

$5 \div 5 = \underline{\quad}$

$2 \div 2 = \underline{\quad}$

$10 \div 1 = \underline{\quad}$

$55 \div 5 = \underline{\quad}$

$56 \div 8 = \underline{\quad}$

$42 \div 7 = \underline{\quad}$

$50 \div 5 = \underline{\quad}$

$16 \div 8 = \underline{\quad}$

$27 \div 3 = \underline{\quad}$

$40 \div 4 = \underline{\quad}$

$6 \div 3 = \underline{\quad}$

$21 \div 3 = \underline{\quad}$

$120 \div 12 = \underline{\quad}$

$77 \div 7 = \underline{\quad}$

$36 \div 3 = \underline{\quad}$

$20 \div 4 = \underline{\quad}$

$54 \div 6 = \underline{\quad}$

$6 \div 1 = \underline{\quad}$

$32 \div 8 = \underline{\quad}$

$15 \div 3 = \underline{\quad}$

$63 \div 7 = \underline{\quad}$

$30 \div 3 = \underline{\quad}$

$9 \div 1 = \underline{\quad}$

$30 \div 3 = \underline{\quad}$

$90 \div 9 = \underline{\quad}$

$100 \div 10 = \underline{\quad}$

$8 \div 4 = \underline{\quad}$

$12 \div 4 = \underline{\quad}$

$36 \div 4 = \underline{\quad}$

$64 \div 8 = \underline{\quad}$

$10 \div 2 = \underline{\quad}$

$7 \div 7 = \underline{\quad}$

$33 \div 3 = \underline{\quad}$

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

Solve each problem.

- Ex)** Using the numbers: 9 , 8 , 7
What is the smallest number you can create?
- 1)** Using the numbers: 7 , 3 , 4
What is the smallest number you can make with a 4 in the tens place?
- 2)** Using the numbers: 1 , 4 , 0
What is the largest number you can make with a 0 in the hundreds place?
- 3)** Using the numbers: 6 , 5 , 9
What number can you make that is smaller than 596?
- 4)** Using the numbers: 2 , 0 , 1
What is the smallest number you can make with a 1 in the tens place?
- 5)** Using the numbers: 0 , 2 , 5
What is the largest number you can make with a 5 in the hundreds place?
- 6)** Using the numbers: 7 , 0 , 8
What number can you make that is smaller than 087?
- 7)** Using the numbers: 8 , 4 , 5
What is the largest number you can create?
- 8)** Using the numbers: 4 , 7 , 5
What is the largest number you can make with a 5 in the hundreds place?
- 9)** Using the numbers: 7 , 2 , 3
What is the smallest number you can make with a 3 in the tens place?
- 10)** Using the numbers: 3 , 2 , 5
What is the smallest number you can create?
- 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?

Answers

- Ex. 789
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____

Week #3 Understanding Place Value

Write the number in word form.

1) 7,113 _____

2) 2,307 _____

3) 7,690 _____

4) 2,370 _____

5) 77,494 _____

Write the number.

1) three thousand, seven hundred eighty-eight

2) six thousand, six hundred twenty-one

3) two thousand, seven hundred sixty-three

4) four thousand, one hundred seventy-four

5) seven thousand, 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

Week #4 Add and Subtract Multi-Digit Whole Number

Solve each problem.

$$\begin{array}{r} 1) \quad 7,903 \\ + 1,391 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 5,976 \\ + 4,033 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 3,149 \\ + 1,194 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 7,174 \\ + 3,080 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 8,309 \\ + 2,457 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 7,233 \\ + 4,199 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 4,652 \\ + 3,730 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 8,916 \\ + 8,416 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 6,663 \\ + 4,877 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 5,121 \\ + 4,449 \\ \hline \end{array}$$

Use subtraction to solve the following problems.

$$\begin{array}{r} 1) \quad 9,165 \\ - 1,890 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2,810 \\ - 1,938 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 8,283 \\ - 7,022 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 3,278 \\ - 2,761 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 6,013 \\ - 2,104 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 2,192 \\ - 1,894 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 9,084 \\ - 9,037 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 9,785 \\ - 3,148 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 2,849 \\ - 1,824 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 7,442 \\ - 3,455 \\ \hline \end{array}$$

Week #5 Multiply Multi-Digit Whole Numbers

Solve each problem.

1)
$$\begin{array}{r} 81 \\ \times 96 \\ \hline \end{array}$$

2)
$$\begin{array}{r} 29 \\ \times 47 \\ \hline \end{array}$$

3)
$$\begin{array}{r} 82 \\ \times 30 \\ \hline \end{array}$$

4)
$$\begin{array}{r} 47 \\ \times 52 \\ \hline \end{array}$$

5)
$$\begin{array}{r} 40 \\ \times 20 \\ \hline \end{array}$$

6)
$$\begin{array}{r} 87 \\ \times 67 \\ \hline \end{array}$$

7)
$$\begin{array}{r} 38 \\ \times 31 \\ \hline \end{array}$$

8)
$$\begin{array}{r} 93 \\ \times 20 \\ \hline \end{array}$$

Week #6 Equivalent Fractions

Reduce each fraction as much as possible.

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

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

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

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

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

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

6) $\frac{35}{40} =$

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

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

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

10) $\frac{56}{64} =$

