Summer Math Packet

Incoming 5th Grade

- Place Value
- Multiplication & Division
- Fractions

Name: _____

Incoming Class: 52

Name _____ Date _____

Math Review Part 1
Place Value and Rounding

Directions: Write the missing value in the following numbers .

1) 20,000 + 7 + 100,000 + _____ + 90 + 200 = 128,297

2) 30,000 + 7,000 + 400 + 50 + _____ = 37,455

3) 9,000 + 80,000 + _____ + 20 + 1 = 589,021

4) 700 + 900,000 + _____ + 9 = 900,769

Directions: Round the number to the nearest underlined digit.

5) 6,462 _____ 6) 209,899 _____ 7) 45,158 _____ 8) 199 _____

9) 999,000 _____

Directions: Compare the two numbers in each problem. Write <, >, or = in the circle.

10) 375 ◯ 1,001 11) 9,231 ◯ 7,999 12) 86,001 ◯ 100,000 13) 51,228 ◯ 51,288

Directions: Find the sum or difference of each problem.

14) 5,879 - 352 _____

15) 20,072 + 9,284 _____

16) 150,091 - 19,627 _____

17) 925,622 + 893 _____

Directions: Write the value of the underlined digit.

18) 78,062 _____ 19) 197,211 _____ 20) 92,000 _____ 21) 899,250 _____

Directions: Order from least to greatest.

22) 9,834; 9,438; 9,348 _____, _____, _____

23) 27,010; 26,999; 27,009 _____, _____, _____

Directions: Write the following numbers in expanded and word form.

Standard: 89,207

Expanded: _____

Word: _____

Standard: 211,056

Expanded: _____

Word: _____

Name _____ Date _____

8. Find the product. Simplify your answer and write it in the corresponding line.

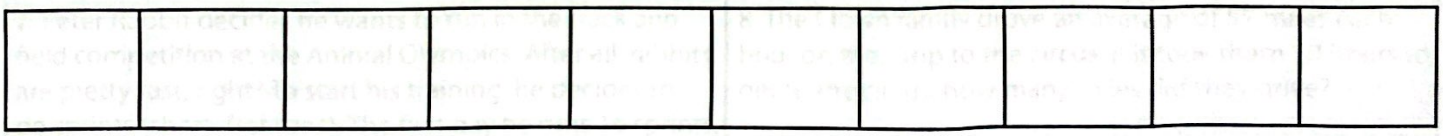
$6 \times \frac{1}{4} =$ $\frac{4}{7} \times 3 =$ $10 \times \frac{3}{8} =$

Answer:_____ Answer: _____ Answer: _____

9. Mr. Rosenberry loves jam, and has a great jam recipe. He uses $2\frac{1}{2}$ pounds of strawberries and $1\frac{1}{2}$ pounds of blueberries to make one batch of jam! How many pounds does he need altogether to make one batch of jam? Show your math thinking.

Answer: _____

10. There is a carnival with lots of fun activities at the middle school! One tenth of the carnival activities are dunk tanks. Student exhibits make up $\frac{5}{10}$ of the activities and games take up $\frac{4}{10}$ of the carnival. On the model below, show by careful shading, what fraction of the carnival is ***dunk tanks and games***. Also write the answer on the answer line.



Answer: _____

11. Mrs. Sabo made $16\frac{2}{3}$ pounds of tortellini for a staff luncheon. At the end of the luncheon, she had $3\frac{1}{3}$ pounds left. How many pounds of tortellini were eaten by the hungry teachers? Show your work.

Answer: _____

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Math Review Part 2
Fun with Multiplication and Division

Directions: Solve each problem using a different strategy (area model, distributive property, partial product, or standard algorithm). Show your work and write each product on its corresponding answer line.

1. 182 X 4

Answer: _____

2. 68 X 15

Answer: _____

3. 2,046 X 7

Answer: _____

Directions: Choose a division strategy to find the quotient for each problem. Show your work and write each quotient on its corresponding answer line.

4. $384 \div 6$

Answer: _____

5. $1{,}960 \div 7$

Answer: _____

6. $663 \div 9$

Answer: _____

Directions: Solve the word problems below. Show your work and write your answer below.

7. Peter Rabbit decides he wants to run in the track and field competition at the Animal Olympics. After all, rabbits are pretty fast, right? To start his training, he decides to do sprints (short, fast runs). The first day he runs 16 sprints. Each sprint is 55 meters. How many meters does Peter run that first day?

Answer: _____

8. The Clown family drove an average of 57 miles each hour on their trip to the circus. If it took them 10 hours to get to the circus, how many miles did they drive?

Answer: _____

9. Wolfman loves frozen yogurt bars. So he decided to buy 488 frozen yogurt bars in 4 different flavors for a party with all his friends. He bought the same number of each flavor. How many of each flavor did he buy?

Answer: _____

10. Bobo the Clown loves to play baseball. One day, during a practice game, he hit a ball 267 feet. It took the ball 3 seconds to travel that distance. How many feet does the ball travel in 1 second?

Answer: _____

Name _____ Date _____

Math Review Part 4
Phenomenal Fractions

1. Juan's mother gave him a recipe for trail mix, which included $\frac{5}{8}$ cup cereal, $\frac{1}{3}$ cup peanuts, $\frac{1}{4}$ cup almonds, and $\frac{1}{2}$ cup raisins. Put the fractions in order from least to greatest in the boxes below.

Least ☐ ☐ ☐ ☐ Greatest

2. Are the following fractions equal to (=), less than(<), or greater than (>) each other? Write the appropriate symbol on the line provided. Show your math thinking.

$\frac{3}{8}$ ___ $\frac{12}{24}$ $\quad$ $\frac{6}{20}$ ___ $\frac{3}{10}$ $\quad$ $\frac{6}{7}$ ___ $\frac{18}{21}$ $\quad$ $\frac{12}{16}$ ___ $\frac{3}{5}$

3. Write an X on the line next to the pairs of fractions that are equivalent. Show your thinking or calculations.

_____ $\frac{4}{5}$ and $\frac{8}{12}$ $\quad$ _____ $\frac{2}{3}$ and $\frac{10}{15}$ $\quad$ _____ $\frac{2}{7}$ and $\frac{6}{20}$

4. In fifteen minutes, Edgar walked $\frac{3}{5}$ of a mile, Jackie walked $\frac{3}{4}$ of a mile, and Pranav walked $\frac{1}{2}$ a mile. Compare the distances walked by each person. Who walked the furthest, and who walked the shortest distance? Show your math thinking.

_____ walked the most. _____ walked the least.

5. List 3 equivalent fractions for $\frac{6}{9}$. One should be in simplest form.

_____, _____, _____

6. Sasha plays the piano. She spends $\frac{1}{4}$ of an hour practicing scales and $\frac{1}{3}$ of an hour practicing songs for her recital. Circle **Yes** or **No** for each statement.

YES NO 12 can be a common denominator of $\frac{1}{4}$ and $\frac{1}{3}$.

YES NO The amount of time spent on scales can be written as $\frac{3}{12}$.

YES NO The amount of time spent practicing songs can be written as $\frac{6}{12}$.

4th Grade Math Review Rubric

Criteria	4 - Exceeding	3 - Meeting	2 - Approaching	1 - Below
Standard/Objective: 4th Grade Math Review	Student demonstrates a thorough understanding of 4th grade math concepts and can apply them accurately and independently.	Student demonstrates a solid understanding of 4th grade math concepts and can apply them with minimal assistance.	Student demonstrates a partial understanding of 4th grade math concepts and requires some assistance to apply them.	Student demonstrates limited understanding of 4th grade math concepts and requires significant assistance to apply them.
Accuracy	All work is accurate with no errors.	Most work is accurate with only minor errors.	Some work is accurate, but there are several errors.	Majority of work contains errors.
Problem Solving	Student can consistently break down complex math problems, select appropriate strategies, and arrive at correct solutions.	Student can often break down math problems, select appropriate strategies, and arrive at correct solutions.	Student can sometimes break down math problems and select appropriate strategies, but may not arrive at correct solutions.	Student struggles to break down math problems, select appropriate strategies, and arrive at correct solutions.
Communication	Student can clearly explain their mathematical thinking and reasoning in an organized and detailed manner.	Student can explain their mathematical thinking and reasoning in a generally clear manner.	Student can partially explain their mathematical thinking and reasoning, but communication is unclear at times.	Student has difficulty explaining their mathematical thinking and reasoning.