Math Plan Fifth Grade

Math Assignment 1: Math Choice Board

Directions: Select at least one activity per column to complete each day. Color or check the box when you have completed a given activity.

Monday	Tuesday	Wednesday	Thursday	Friday
Using all four of the digits 5, 6, 7, and 8, and any of the four operations (+, -, x, ÷), can you make the number 24? Can you make 36?	Using all four of the digits 1, 2, 3, and 4, and any of the four operations (+, -, x, ÷), can you make the number 13? Can you make 21?	Using all four of the digits 2, 4, 6, and 8, and any of the four operations (+, -, x, ÷), can you make the number 26? Can you make 12?	Using all four of the digits 3, 5, 7, and 9, and any of the four operations (+, -, x, ÷), can you make the number 14? Can you make 36?	Using all four of the digits 3, 4, 5, and 6, and any of the four operations (+, -, x, ÷), what is the largest number you can make?
Create a word problem that has an answer of 14.80.	Using all four of the digits 2, 4, 6, and 8, create a decimal that rounds to 2.9.	Jack did the following with 20 games: • gave 0.20 to his friends • gave 0.40 to his brother • sold the rest to Game Stop How many games did Jack sell to Game Stop?	Finish the number sentences to make true statements. Estimate: **3.7 x 5.3 is between_____** **9.5 ÷ 2 is between _____** **7.5 x 0.5 is between _____** **32 ÷ 0.5 is between _____**	Create a word problem that has an answer of $87.09.
Write a story problem that matches the given number sentence. $\frac{1}{3} + \frac{1}{10} < \frac{1}{2}$	Which one doesn't belong and why? 	Write a story problem that matches the given number sentence. $\frac{3}{8} + \frac{1}{4} = \frac{5}{8}$	Find a favorite recipe. Which ingredient do you need the most of? Least? List all of the ingredients in order from greatest to least.	What are all of the ways you can represent the number: $\frac{18}{12}$
1. Use grid paper. 2. Create a right triangle. 3. Find the area and perimeter of your triangle.	Walk around your house and locate examples of rectangular prisms.	1. Use grid paper. 2. Create a large rectangle. 3. Find the area and perimeter of your rectangle.	Use an empty rectangular prism and fill it with cotton balls, pieces of candy, or balls of paper. Then find the volume. $V = l \times w \times h$	1. Use grid paper. 2. Create a polygon that is not a triangle, rectangle, or square. 3. Find the perimeter of your polygon.

Math Assignment 2: Additional Activities

Directions: Select at least one activity per category to complete each day. Cross out the item when you have completed a given activity.

Category 1: Computation Activities
Directions: Use the attached number cards below for each activity.

- Select four numeral cards from a pile (remove the 10 cards).
- Create two two-digit numbers and add them to make the greatest sum.
- Create two two-digit numbers and add them to make the smallest sum.
- Create two two-digit numbers and subtract them to make the greatest difference.
- Create two two-digit numbers and subtract them to create the smallest difference.
- Select two of the numeral cards 1-10. Multiply to find the product of the two numbers.
- Select four numeral cards from a pile (remove the 10 cards).
- Create two two-digit numbers and find the product.
- Create a one-digit divisor and three-digit dividend division problem and solve.

Category 2: Fraction Action Activities
Directions: Use the attached fraction cards below for each activity.

- Select two fractions from the fraction card pile. Add the two fractions.
- Select two fractions from the fraction card pile. Subtract the two fractions.
- Select two fractions from the fraction card pile. Compare the fractions using the symbols/terms greater than, less than, or equal to.
- Select four cards from the fraction card pile. Order them from least to greatest.
- Select four cards from the fraction card pile. Order them from greatest to least.

Category 3: Measurement
Directions: Solve the following problems.

- Mrs. Smith works for 4 hours and 45 minutes each day. She is allowed to choose when she starts and stops each day. What are some possible beginning and ending times for her?
- Find several real-world examples of angles (ex. the corner of a book is a right angle) around your house.
- Rusty, is a medium sized dog that loves to run. Design a dog pen for him using 36 feet of fencing. What are some different ways that you could design a dog pen using all 36 feet of fencing? Which do you think would be the best design to use for his pen?
- John found a box in his room. He wanted to describe the size of the box to his friend. What are all the ways John could measure the box to describe its size to his friend?

Category 4: Problem Solving
Directions: Solve the following problems.

- Using the problem types chart, select a problem type to solve from each row.
- Create your own single-step practical problems based on the problem type chart and solve it.
- Create your own two-step practical problem. Below is an example of a two-step practical problem.

  There are 15 students in the fourth grade and twice that number in the fifth grade. There are 13 boys and 14 girls in the third grade. How many students are in grades 3 through 5 altogether?

Math Assignment 3: Online Digital Resources (Optional)

Directions: The following links can be used to provide additional instructional experiences if digital access is available.

AAAMath:
www.aaamath.com

Math Playground:
www.mathplayground.com

Khan Acadamy:
https://www.khanacademy.org/about/blog/post/61177025506435072O/remote-learning-with-khan-academy-during-school

BrainPop:
https://www.google.com/url?q=https://www.google.com/url?q%3Dhttps://educators.brainpop.com/2020/02/19/free-brainpop-access-for-schools-affected-by-the-corona-virus/?utm_source%253Dorganic%2526utm_medium%253Dsocial%2526utm_campaign%253Dcoronavirus%2526utm_content%253Dfree-access%26sa%3DD%26ust%3D1584027992023000%26usg%3DAFQjCNGBQdPRymVl4vxrqUOWXZ7pg_IF9w&sa=D&ust=1584134492415000&usg=AFQjCNF8mQrHaA7fWKdOs9YUbDX_An9-wA

Mathwire:
http://mathwire.com/index.html

For additional digital resources specific to your child's school, please consult the school's webpage.

Grid Paper

Number Cards

1	2	3	4	5
6	7	8	9	10
1	2	3	4	5

6	7	8	9	10

Fraction Cards

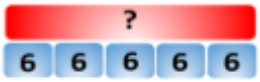
$\frac{1}{2}$	$\frac{3}{4}$	$\frac{2}{3}$	$\frac{1}{4}$	$\frac{2}{5}$
$\frac{5}{6}$	$\frac{1}{3}$	$\frac{3}{8}$	$\frac{4}{5}$	$\frac{1}{6}$
$\frac{3}{10}$	$\frac{3}{5}$	$\frac{5}{12}$	$\frac{7}{10}$	$\frac{7}{12}$
$\frac{1}{5}$	$\frac{5}{8}$	$\frac{9}{10}$	$\frac{11}{12}$	$\frac{7}{8}$

Problem Types Chart

Common Multiplication and Division Problem Types

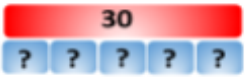
Equal Groups Whole Unknown

There are 5 boxes of markers. Each box contains 6 markers. How many markers are there in all?



Equal Groups Size of Groups Unknown

If 30 markers are shared equally among 5 friends, how many markers will each friend get?

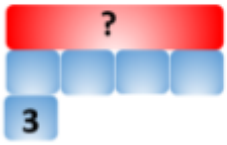


Equal Groups Number of Groups Unknown

If 30 markers are placed into school boxes with each box containing 6 markers, how many school boxes can be filled?

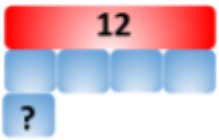
Multiplicative Comparison Result Unknown

Tyrone ran 3 miles. Jasmine ran 4 times as many miles as Tyrone. How many miles did Jasmine run?



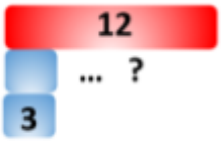
Multiplicative Comparison Start Unknown

Jasmine ran 12 miles. She ran 4 times as many miles as Tyrone. How many miles did Tyrone run?



Multiplicative Comparison Comparison Unknown

Jasmine ran 12 miles. Tyrone ran 3 miles. How many times more miles did Jasmine run that Tyrone?



Array Whole Unknown

There are 3 baseball teams competing at the field. Each team had 9 baseball players. How many baseball players were there all together?

Array One Dimension Unknown

There are 27 children playing on teams at the field. The children are divided equally among 3 teams. How many children are on each team?