# Math Plan Third Grade

Math Assignment 1: Math Choice Board

Directions: Select at least one activity per column to complete each day. Color or check 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 the largest and smallest numbers you can, using the numerals 1, 3, 5, 7, and 9. Explain why they are the largest and smallest.	Kerry found a bag of tiles with numbers on them. She wanted to round the numbers to nearest hundred. These are the numbers Kerry had: 1,234 1,341 1,187 1,285 Create a chart that represents the tiles that were rounded to 1,200 and the tiles that were rounded to 1,300.	Order the following numbers from least to greatest: **123, 645** **123, 465** **123, 578** **123, 587**	A mystery number has a three in the ten thousands place, a one in the tens place, a two in the hundred thousands place, a five in the ones place, and a seven in the thousands place. If all of the digits have a sum of 22, what digit belongs in the hundreds place?	Estimate the cost of a meal from a menu by rounding the items purchased to the nearest ten and finding the sum of the rounded numbers.
The table shows the favorite teams of the third grade class. *About* how many students voted for Bears and Jaguars? 	Team	Number of Votes
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Bears	121
Tigers	106
Jaguars	15		Find the two statements that are true. 10 nickels + 3 quarters = $5.00 - $3.75 = $ 1.25 5 quarters + 6 dimes = $2.00 - $0.15 = $ 2.15 7 dimes + 6 nickels + 13 pennies = $2.00 - $0.87 = $ 1.13	Determine which number statements are true. 7 x 7= (5 x 7) + (2 x 7) 6 x 6= 3 x 10 6 x 4= (1 x 4) + (5 x 4)	Write a story problem that matches the number sentence. **$5.00 - $2.29 = $2.71**	Alisha collects stuffed animals. She has a total of 5,283. Her best friend, Abel, has 429 more stuffed animals than Alisha has. How many stuffed animals do they both have?

Shade in the fraction models to represent two and a half. Write the improper fraction.	Four fraction models are shown below. Which number sentence is true?	Draw a model to represent one-half in as many ways as you can think of.	Mrs. Brown made 3 pizzas because she had 6 hungry children. How could she cut the pizzas so that each child has a fair share?	Draw a set of 10 objects. Show that one-half of the objects are the same. Challenge: Draw a set of 10 objects. Show that one fourth of the objects are the same.
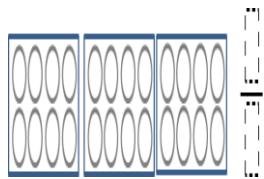
Math Assignment 2: Additional Activities

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 120 grid below to complete each activity.

- Solve the riddle:
    - My number is less than 72.
    - My number is greater than 36.
    - My number is said when skip-counting by 10's
    - My number is the difference between 70 and 30.

- Skip count by 2's, 5's, or 10's starting at various multiples.

- Pick a number and count backwards by 10's.

- Pick a number and tell how many tens and ones that number has.

- Pick a number and tell what is 1 more or 1 less than that number.

- Pick a number and tell what is 10 more or 10 less than that number.

- Pick a number on the hundreds chart and determine whether it is even or odd. Use objects to prove a numbers' evenness and oddness.

Category 2: Computation Activities
Directions: Use the digit cards attached to complete each activity:

- Select two digit cards from the pile. Add them together and record the number sentence. Repeat at least three times.
- Select two digit cards from the pile and find the difference between the numbers. Record the number sentence.
- Select three digit cards. Create the largest number possible with the digits selected and create the smallest number possible with the digits selected.
- Select three digit cards and create a number with the cards selected. Write the number that is 10 more, 10 less, 100 more and 100 less than the number created.
- Select six digit cards and create two three-digit numbers. Compare the numbers using the symbols/terms greater than, less than, and equal to.

Category 3: Problem Solving
Directions: Use the problem types chart attached below to help you complete each activity.

- Select a problem type to solve from each row.
- Create your own single-step practical and solve it.
- Create your own two-step practical problem. Below is an example of a two-step practical problem:
    - Tevion has 16 pencils. Eight of his pencils are mechanical, and the rest are regular ones that must be sharpened. His friend gave him 3 more regular pencils. How many regular pencils does he have now?

Category 4: Money and Patterns
Directions: Complete one or more of the tasks below.

- Find at least three different ways to make $2.00 using nickels, dimes, and quarters.
- If you have 5 coins, what could be the value of those coins?
- Create an AAB repeating pattern using objects in your house.

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/611770255064350720/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.

120 Grid

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

Digit Cards

1	2	3	4	5
6	7	8	9	0
1	2	3	4	5
6	7	8	9	0

Common Addition and Subtraction Problem Types

Join Result Unknown	Join Change Unknown	Join Start Unknown
Sue had 28 pencils. Alex gave her 14 more pencils. How many pencils does Sue have all together?	Sue had 28 pencils. Alex gave her some more pencils. Now Sue has 42 pencils. How many pencils did Alex give her?	Sue had some pencils. Alex gave her 14 more. Now Sue has 42 pencils. How many pencils did Sue have to start with?
? / 28 14	**42** / 28 **?**	**42** / **?** 14

Separate Result Unknown	Separate Change Unknown	Separate Start Unknown
Brooke had 35 marbles. She gave 19 marbles to Joe. How many marbles does Brooke have now?	Brooke had 35 marbles. She gave some to Joe. She has 16 marbles left. How many marbles did Brooke give to Joe?	Brooke had some marbles. She gave 19 to Joe. Now she has 16 marbles left. How many marles did Brooke start with?
35 / 19 **?**	**35** / **?** 16	**?** / 19 16

Part-Part-Whole Whole Unknown	Part-Part-Whole One Part Unknown	Part-Part-Whole Both Parts Unknown
The teacher has 20 red markers and 25 blue markers. How many markers does he have?	The teacher has 45 markers. Twenty of the markers are red and the rest are blue. How many blue markers does he have?	The teacher has a tub of red and blue markers. She has 45 markers in all. How many markers could be red? How many could be blue?
? / 25 20	**45** / **?** 20	**45** / **?** **?**
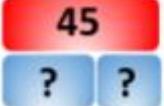
Compare Difference Unknown	Compare Bigger Unknown	Compare Smaller Unknown
Ryan has 20 books. Chris has 9 books. How many fewer books does Chris have than Ryan?	Chris has 9 books. Ryan has 11 more books than Chris. How many books does Ryan have?	Chris has 11 fewer books than Ryan. Ryan has 20 books. How many books does Chris have?
20 / **?** 9	**?** / 11 9	**20** / 11 **?**