

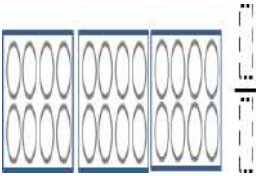
Math Plan Third Grade

Math Assignment 1: Math Choice Board

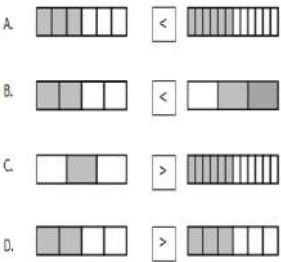
Directions: Select at least one activity per column to complete each day. Color or check when you have completed a given activity.

| 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. <i>About</i> how many students voted for Bears and Jaguars? <table><tr><th>Team</th><th>Number of Votes</th></tr><tr><td>Bears</td><td>121</td></tr><tr><td>Tigers</td><td>106</td></tr><tr><td>Jaguars</td><td>15</td></tr></table> | Team | Number of Votes | 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. $7 \times 7 = (5 \times 7) + (2 \times 7)$ $6 \times 6 = 3 \times 10$ $6 \times 4 = (1 \times 4) + (5 \times 4)$ | 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? |
| Team | Number of Votes | | | | | | | | | | | |
| Bears | 121 | | | | | | | | | | | |
| Tigers | 106 | | | | | | | | | | | |
| Jaguars | 15 | | | | | | | | | | | |

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 Academy:

<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%26usq%3DAFQjCNGBQdPRymVI4vxrqUOWXZ7pg_IF9w&sa=D&ust=1584134492415000&usq=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 |

1

2

3

4

5

6

7

8

9

0

1

2

3

4

5

6

7

8

9

0

Problem Types Chart

Common Addition and Subtraction Problem Types

| | | |
|---|---|--|
| <p style="text-align: center;">Join Result Unknown</p> <p>Sue had 28 pencils. Alex gave her 14 more pencils. How many pencils does Sue have all together?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">?</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">28</div> <div style="background-color: lightblue; padding: 2px 10px;">14</div> </div> </div> | <p style="text-align: center;">Join Change Unknown</p> <p>Sue had 28 pencils. Alex gave her some more pencils. Now Sue has 42 pencils. How many pencils did Alex give her?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">42</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">28</div> <div style="background-color: lightblue; padding: 2px 10px;">?</div> </div> </div> | <p style="text-align: center;">Join Start Unknown</p> <p>Sue had some pencils. Alex gave her 14 more. Now Sue has 42 pencils. How many pencils did Sue have to start with?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">42</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">?</div> <div style="background-color: lightblue; padding: 2px 10px;">14</div> </div> </div> |
| <p style="text-align: center;">Separate Result Unknown</p> <p>Brooke had 35 marbles. She gave 19 marbles to Joe. How many marbles does Brooke have now?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">35</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">19</div> <div style="background-color: lightblue; padding: 2px 10px;">?</div> </div> </div> | <p style="text-align: center;">Separate Change Unknown</p> <p>Brooke had 35 marbles. She gave some to Joe. She has 16 marbles left. How many marbles did Brooke give to Joe?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">35</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">?</div> <div style="background-color: lightblue; padding: 2px 10px;">16</div> </div> </div> | <p style="text-align: center;">Separate Start Unknown</p> <p>Brooke had some marbles. She gave 19 to Joe. Now she has 16 marbles left. How many marles did Brooke start with?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">?</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">19</div> <div style="background-color: lightblue; padding: 2px 10px;">16</div> </div> </div> |
| <p style="text-align: center;">Part-Part-Whole Whole Unknown</p> <p>The teacher has 20 red markers and 25 blue markers. How many markers does he have?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">?</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">25</div> <div style="background-color: lightblue; padding: 2px 10px;">20</div> </div> </div> | <p style="text-align: center;">Part-Part-Whole One Part Unknown</p> <p>The teacher has 45 markers. Twenty of the markers are red and the rest are blue. How many blue markers does he have?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">45</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">?</div> <div style="background-color: lightblue; padding: 2px 10px;">20</div> </div> </div> | <p style="text-align: center;">Part-Part-Whole Both Parts Unknown</p> <p>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?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">45</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">?</div> <div style="background-color: lightblue; padding: 2px 10px;">?</div> </div> </div> |
| <p style="text-align: center;">Compare Difference Unknown</p> <p>Ryan has 20 books. Chris has 9 books. How many fewer books does Chris have than Ryan?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">20</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">?</div> <div style="background-color: lightblue; padding: 2px 10px;">9</div> </div> </div> | <p style="text-align: center;">Compare Bigger Unknown</p> <p>Chris has 9 books. Ryan has 11 more books than Chris. How many books does Ryan have?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">?</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">11</div> <div style="background-color: lightblue; padding: 2px 10px;">9</div> </div> </div> | <p style="text-align: center;">Compare Smaller Unknown</p> <p>Chris has 11 fewer books than Ryan. Ryan has 20 books. How many books does Chris have?</p> <div style="text-align: center;"> <div style="background-color: red; color: white; padding: 2px 10px; margin-bottom: 5px;">20</div> <div style="display: flex; justify-content: space-around; width: 100px;"> <div style="background-color: lightblue; padding: 2px 10px;">11</div> <div style="background-color: lightblue; padding: 2px 10px;">?</div> </div> </div> |