# GRADE 3 MATH SUMMER CHOICE BOARD
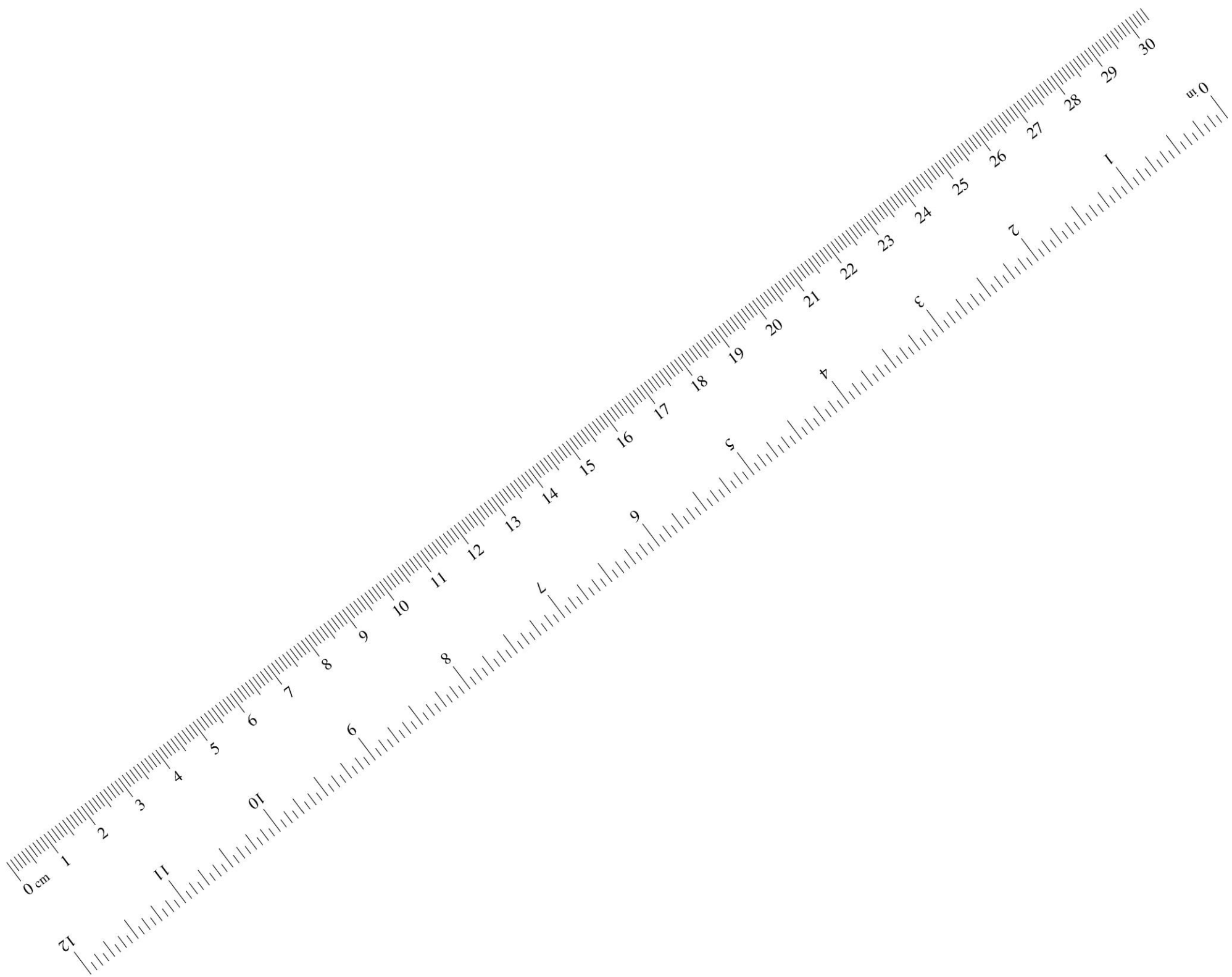
**Directions:** Complete 2 activities per week to practice your math this summer!

| Whole Numbers & Fractions | Addition & Subtraction | Multiplication & Division | Measurement | Geometry & Data |
|---|---|---|---|---|
| **#1** Play with a family member: Use the digit cards attached. Each person grabs up to 5 cards to create a number. Compare the two numbers. Play 5 rounds where highest number earns a point and 5 rounds where the lowest number earns a point. | **#1** Using the digit cards attached (0-9 only once), place a digit in each box to make the statement true. $\Box\Box\Box$ - 291 = $\Box\Box\Box$ Try to come up with two solutions if you get one. | **#1** Using the digit cards attached (0-9 only once), place a digit in each box to create a product less than 500. Then, try again to create a product more than 500. $\Box$ x $\Box$0 = $\Box\Box\Box$ | **#1** Using the digit cards attached, take out all the zeros. Choose 2 cards. Create an array with __ rows and __ columns using stuffed animals, action figures, pillows, pieces of paper, etc.). Determine the area. | **#1** How many different 3-D shapes (like rectangular prisms, cylinders, cones, spheres, triangular pyramid) can you find examples of in your home? Make a chart to record your findings. |
| **#2** Using the digit cards (0-9) only once each, place a digit in each box to make two different 3-digit numbers that round to 500. $\Box\Box\Box$ and $\Box\Box\Box$ | **#2** Using characters from a story you have read, create a math story problem involving **addition** up to 1,000. Write the story, the equation, and solve it. | **#2** How many pieces of cereal does one of your spoons hold? How many pieces of cereal would ALL of the spoons in your house hold? Write a multiplication equation to represent and solve the problem. | **#2** Using a ruler, measure the perimeter of 5 different rectangular items (bed, room, table, door, desk, etc.). Did you find ways to take shortcuts on the measuring? | **#2** I surveyed 20 3rd graders about their pets. I counted more dogs than cats in my survey. What might that graph look like? |
| **#3** Locate the number of calories in 5 different food items in your house. Order the foods from least to greatest based on their calories. | **#3** Using characters from a story you have read, create a math story problem involving **subtraction** up to 1,000. Write the story, the equation, and solve it. | **#3** Using characters from a story you have read, create a math story problem involving **multiplication** up to 100. Write the story, the equation, and solve it. | **#3** Using a ruler, only measure the length and width of a table. Determine the perimeter without measuring all the sides. | **#3** Crumple a piece of paper to create a ball. Set a timer for 1 minute. See how many times you can make the ball in a trashcan in that minute. Do this 10 times. Then, create a dot plot of the results. "The number of baskets made" |
| **#4** Using the digit cards attached, choose 2 cards. Create a fraction and then represent that fraction with a picture. Then, create 3 equivalent fractions. | **#4** Using characters from a story you have read, create a math story problem involving **both** addition & subtraction up to 1,000. Write the story, the equation, and solve it. | **#4** If each pair of socks costs $3, how much did all of your socks cost? | **#4** Using a ruler, measure the length and width of 5 different rectangular items (bed, room, table, door, desk). Determine the area of the items by multiplying. | **#4** Using all of your shirts, pants, t-shirts, and socks, create a bar graph with scaled intervals to show how many of each type of clothing you have. |
| **#5** Using the digit cards attached, create 2 fractions with a common numerator or denominator. Compare the two and explain why you compared them the way you did. | **#5** Using the digit cards attached (0-9 only once). Place a digit in each box to make a sum greater than 700. $\Box\Box\Box$ + $\Box\Box\Box$ Create a sum less than 700 but greater than 500. | **#5** Using characters from a story you have read, create a math story problem involving division up to 100. Write the story, the equation, and solve it. | **#5** Build a large rectangle on the floor using items from your house. Determine the area and perimeter of the rectangle. | **#5** Survey your family - what their favorite ice cream flavor is. Create a pictograph to represent the results. |

# Math - Digit Cards

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

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

# Place Value Chart

| | , | | | | , | | | |
|---|---|---|---|---|---|---|---|---|
| M | | HTh | TTh | Th | | H | T | O |
| Millions | | Hundred Thousands | Ten Thousands | Thousands | | Hundreds | Tens | Ones |

## Math - Hundred Chart

| 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 |

# Math - Multiplication Chart

| X | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|---|---|---|---|---|---|---|---|---|---|----|
| 1 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 2 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20 |
| 3 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 |
| 4 | 4 | 8 | 12 | 16 | 20 | 24 | 28 | 32 | 36 | 40 |
| 5 | 5 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 6 | 6 | 12 | 18 | 24 | 30 | 36 | 42 | 48 | 54 | 60 |
| 7 | 7 | 14 | 21 | 28 | 35 | 42 | 49 | 56 | 63 | 70 |
| 8 | 8 | 16 | 24 | 32 | 40 | 48 | 56 | 64 | 72 | 80 |
| 9 | 9 | 18 | 27 | 36 | 45 | 54 | 63 | 72 | 81 | 90 |
| 10 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |