Lowell Public Schools
Curriculum, Instruction, and Assessment
Henry J. Mroz Administration Office
155 Merrimack Street
Lowell, Massachusetts 01852

Get Ready for School!
Summer Mathematics Activities
2020
Entering Grade 3

Dear Guardian and Student,

Just like reading, regular practice over the summer with math will help your child prepare for entering the next grade. Please use the math activity list to have fun talking and doing mathematics together! Remember to always ask your child, "How did you figure it out?"

To use the math activity list:

- This summer try to complete the number of activities recommended for your grade level.
- When you do one, cross it off. Write down on the log on the back of this sheet which activity you did.
- Bring the log back to your new teacher in September for a school reward and a chance to be selected to attend a fall televised school committee meeting for a "Spotlight on Excellence!"
- When you see this symbol,  choose 1 or more activities from page 2.
- Some helpful materials to have around:
  - A folder for these papers
  - Blank paper
  - A pencil
  - A deck of playing cards with the kings, queens, and jacks taken out
  - A pair of dice
  - Crayons
  - Coins

Have a great summer vacation!

Sincerely,

Chief Academic Officer
Lowell Public Schools

Summer Math Activity Log

Activity log for student entering grade _____. Record the dates and descriptions of the math activities you complete. Bring this log back to your new teacher in August.

Activity #	Date Completed	Description of Activity
Example	7/2/20	Used shapes to make a 4th of July picture…***or*** Close to 100…***or*** prodigy game online
#1		
#2		
#3		
#4		
#5		
#6		
#7		
#8		
#9		
#10		
#11		
#12		
#13		
#14		
#15		
#16		
#17		
#18		
#19		
#20		

Student's Name: _____

Parent Signature: _____

Get Ready for Grade 3: Math Activities

Complete at least 20 math activities this summer. Each time, choose an activity from the boxes below – or from the back. Cross off a box when you do it and record the activity on your math log.

Count from 87 to 120 and back the Say Ten Way.	Choose from the back! 	Use the shapes you know to make a Fourth of July picture.	Draw 576 using place value disks.	Choose from the back! 
Do counting squats while you count from 289 to 321. Can you do it backwards?	Choose from the back! 	Choose from the back! 	Solve 136 + 250. Draw a picture to show your thinking.	Choose from the back! 
Count up by tens from 420 to 620.	Choose from the back! 	Choose from the back! 	Choose from the back! 	Use real coins or draw coins to show as many ways to make 25 cents as you can.
Choose from the back! 	Go on a shape scavenger hunt. Can you find any trapezoids or hexagons?	Choose from the back! 	Make a list of 15 items that come in groups. For example; eggs come in a group of 12.	Choose from the back! 
Write the numbers from 675 to 730.	Choose from the back! 	Choose from the back!  .	Do jumping jacks as you count up by twos to 40 and back down to 0.	Choose from the back! 
Choose from the back! 	Choose from the back! 	Measure the route from your bathroom to your bed. Walk heel to toe, and count your steps.	Choose from the back! 	Make a story problem that goes with 37 + 45.

Get Ready for Grade 3

 **Choice Activities** 

1. Read a Cool Mathematics Book:

A Chair for My Mother by Vera B. Williams	Out for the Count by Kathryn Cox
Benny's Pennies by Pat Brisson	Pattern Fish by Trudy Harris
Emeka's Gift by Ifeoma Onyefulu	Rooster's Off to See the World by Eric Carle
Math Appeal by Greg Tang	The Greedy Triangle by Marilyn Burns
My Painted House, My Friendly Chicken, and Me by Maya Angelou	The Math Curse by Jon Scieszka and Lane Smith
	How much is a Million by David Schwartz

Find Mathematics Books to Read Online at Epic!: https://www.getepic.com/
Parents can sign up for free!

2. Use a cool mathematics website!

http://www.gregtangmath.com/games	www.mathplayground.com
www.aaamath.com	www.primarygames.com/curriculum/math.htm
www.coolmath4kids.com	www.funbrain.com
http://pbskids.org/games/measurement/	www.zearn.org/
https://www.prodigygame.com/	https://www.ixl.com/math/

Play ST Math Games Online: https://www.stmath.com/
If your school already uses ST Math, you can login through your Clever account. If not, parents can sign their children up for free using the link above.

3. Do a counting activity or game:

Double Compare – Deal all the cards out. Put the set of cards facedown. Both players turn over the top two cards and add them to find the sum. The player with the larger number gets all four cards. If they are the same number both players turn over another set of cards and the larger sum takes all. The game is over when there are no more cards to turn over. Whoever has the most cards, wins. (Like "War" but with adding two cards.) **Extension**: Instead of adding the two numbers together, subtract the smaller from the larger to get the difference. The person with the smallest difference gets all four cards.

Close to 20 – Deal 5 cards to each player. Place them face up in front of you. Which three cards add up to be closest to 20? Ex. You turn over the following cards 5, 4, 10, ACE, and 3, and your opponent turns over an ACE, 8, 7, 2, and 3. You can make 19 with the 5, 4, and 10 and your opponent can make 18 with the 8, 7, and 3. You win because 19 is closer to 20**.**

Make Ten - Like "Go Fish" but players ask for cards that add up to 10 instead of the same number. For example, someone with a 3 would ask if the other player has a 7.

Play a board game such as: Checkers, Memory, Chutes and Ladders, jigsaw puzzles, Parcheesi, Fish, Crazy Eights, Candy Land, Connect Four, Legos, K'Nex.

4. Complete one of the activity sheets provided at the end of this packet.

Name: _____

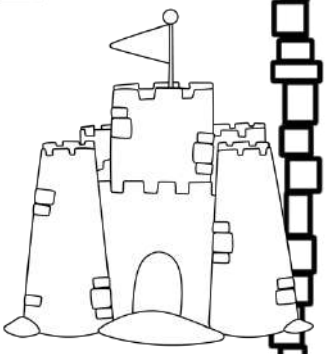
Odd & Even

Color the even numbers to make it to the end of the path.

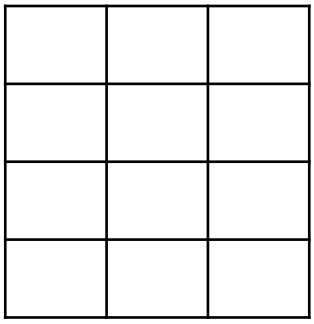
24	88	46	20	13	87
35	29	15	18	69	21
17	63	33	86	71	99
57	76	54	30	67	49
81	24	23	97	43	25
46	92	47	38	24	74
28	95	34	22	55	62
66	20	48	83	31	58

Name: _____

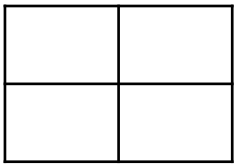
Addition with Arrays



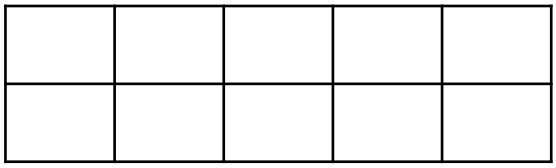
a.



c.



e.



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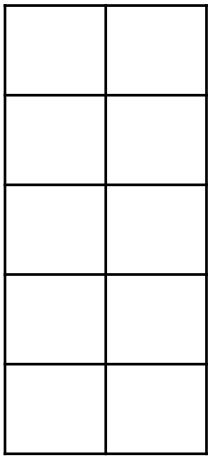
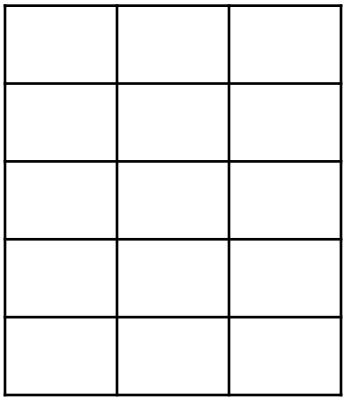
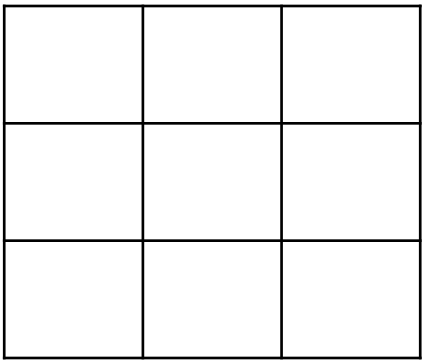


d.



f.



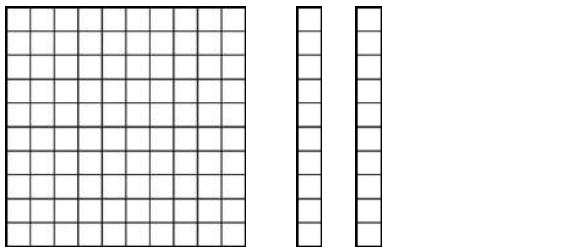
Directions: Write the letter next to its matching number sentence.

1. ____ 5 + 5
2. ____ 2 + 2 + 2 + 2 + 2
3. ____ 3 + 3 + 3
4. ____ 2 + 2
5. ____ 3 + 3 + 3 + 3 + 3
6. ____ 3 + 3 + 3 + 3

Name: _____

Place Value: Ones, Tens & Hundreds

Directions: Count the base ten blocks. Write their value in the box.



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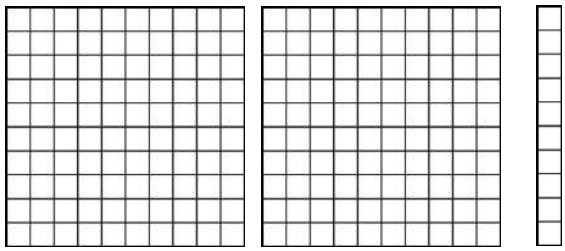

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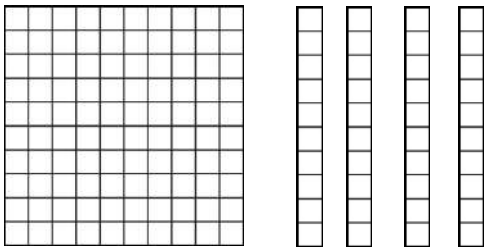

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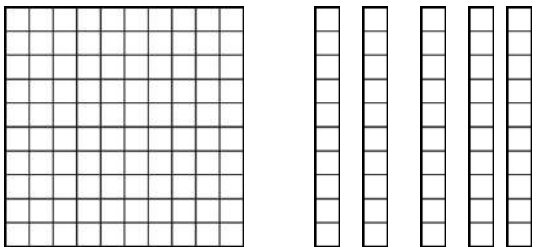

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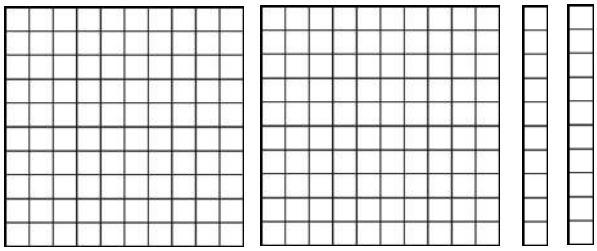

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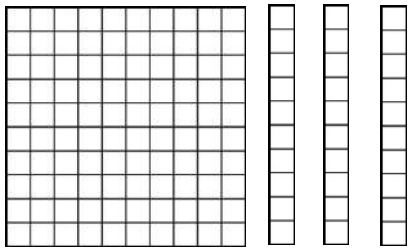


□

Name: _____

Write the number in different ways.

number form	word form	expanded form
11		
	ninety-two	
		70 + 9
	fourteen	
46		
		80 + 3
	thirty-eight	

Name: _____

Use >, < or =

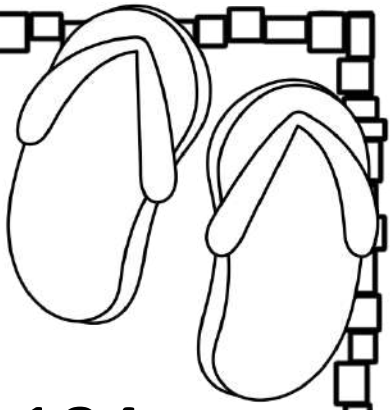
Directions: Compare each set of numbers. Use the sign.

104		268
603		128
499		994
375		357
712		712
552		807

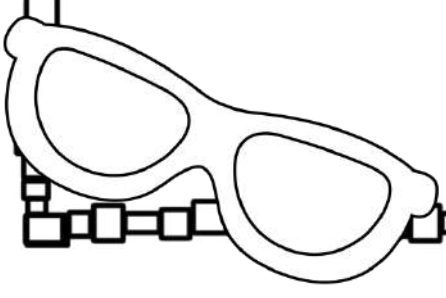
498		489
307		370
645		465
117		917
201		200
677		767

Name: _____

Add 3-Digit Numbers

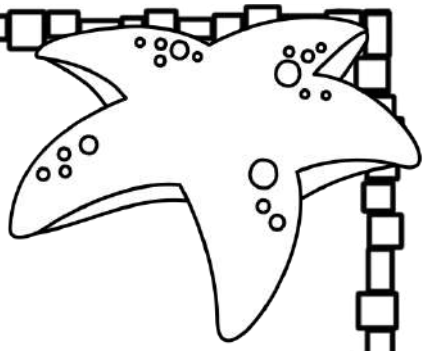


714	245	184
+328	+966	+236
417	509	126
+853	+642	+388
492	600	893
+579	+771	+955

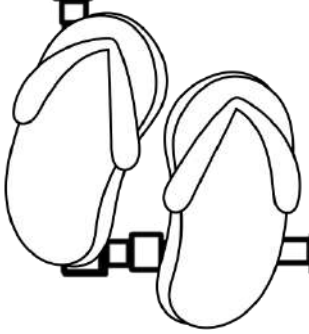


Name: _____

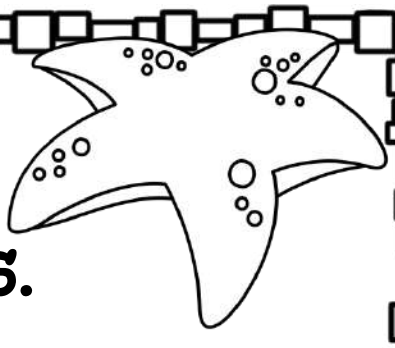
Subtract 3-Digit Numbers



579	644	264
-326	-136	-189
810	900	483
-407	-318	-292
711	303	692
-522	-118	- 598



Name: _____



Write the missing addends.

6 + _____ = 9

6 + _____ = 6

_____ + 5 = 13

5 + _____ = 10

_____ + 2 = 8

10 + _____ = 15

7 + _____ = 11

_____ + 4 = 5

_____ + 4 = 9

7 + _____ = 16

6 + _____ = 12

_____ + 1 = 4

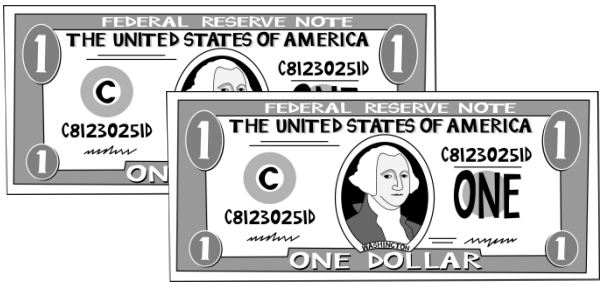
_____ + 6 = 7

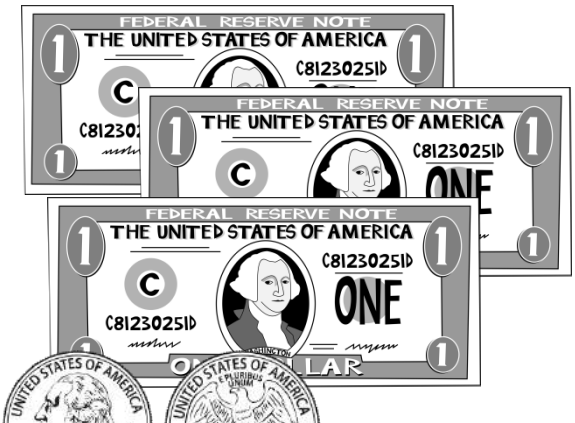
_____ + 9 = 17

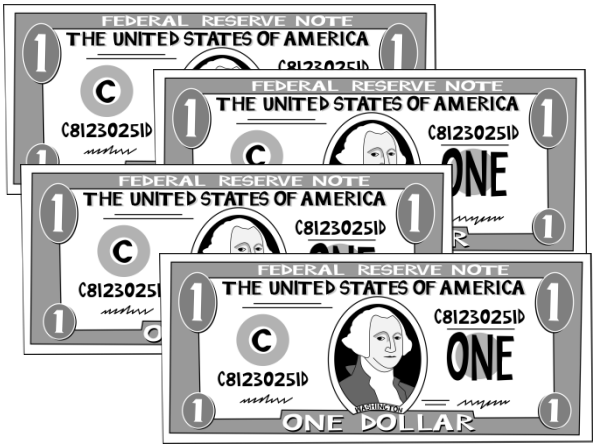
Name: _____

Add the coins. Write the amount correctly.

Directions: Count the money. Write the value in the box.





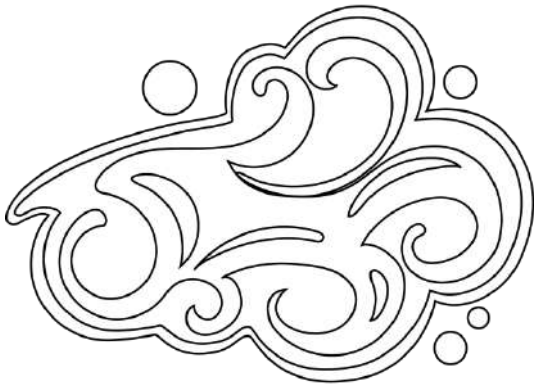


Name: _____

Bar Graphs

Directions: Use the table to make a bar graph.

Favorite Summer Spot	
park	3
beach	6
library	7
pool	5



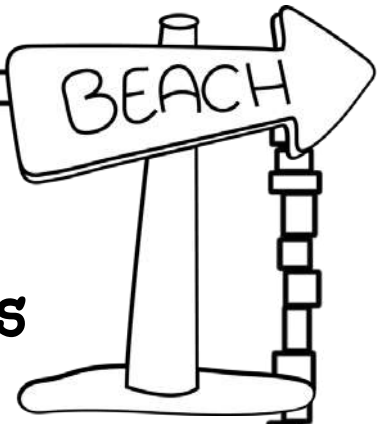
7				
6				
5				
4				
3				
2				
1				
	park	beach	library	pool

Do more children enjoy the park or the beach most? _____

Which spot is the least favorite? _____

How many children were asked about their favorite spot? _____

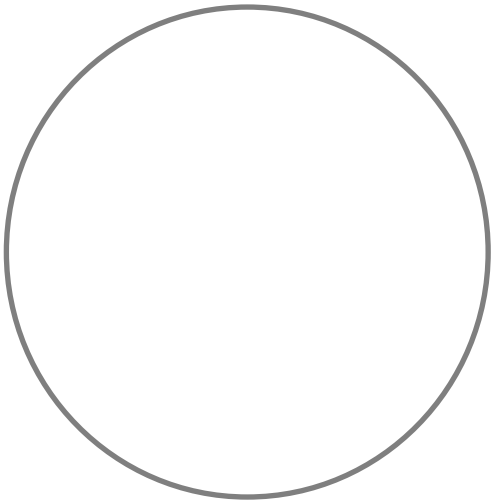
What are the top two favorite spots? _____



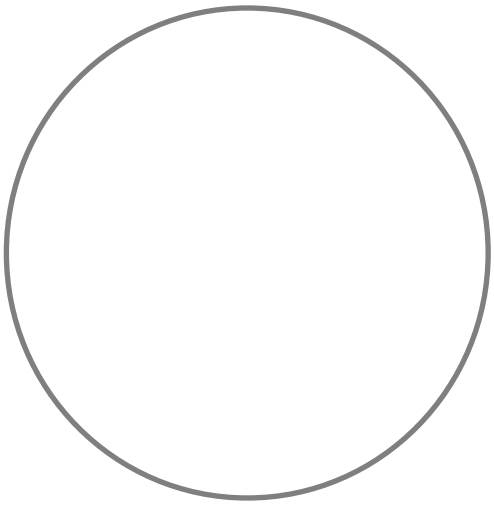
Name: _____

Partition Circles & Rectangles

Directions: Divide the shapes into 2 equal parts.



Directions: Divide the shapes into 4 equal parts.



Name: _____

Understanding Equal Parts

Directions: Color the shapes that are divided into equal parts.