MARY WHITE OVINGTON PS/IS 30
Mrs. Carol Heeraman, Principal
Mrs. Ama Willock, AP
Mr. Zaher Idriss, AP
Mrs. Calliope Athanasakos, AP

Where LEADERS ROAR!
Respect, Opportunity, Acceptance, and Resilience

2019 Summer Mathematics Packet--- Incoming 3rd grade

Dear Students and Parents,

This summer math packet contains a task related to the story One Hundred Hungry Ants by Elinor J. Pinczes. In order to keep you well prepared for third grade, this packet was made for you to keep your math skills sharp.

This book can be found in your local public library as well as Barnes and Noble. A read aloud of this story is also available on YouTube.

Please complete the packet and return it to your classroom teacher at the beginning of school on **Thursday, September 5, 2019**. This will be graded and will be your first math grade for third grade!

http://www.coolmath-games.com/
https://www.mathplayground.com/
https://www.khanacademy.org/

Should you have any questions, please feel free to contact our school office at (718) 491-8440. Thank you for your support, and we hope that your family's summer is enjoyable.

Sincerely,
The Third Grade Teachers

7002 4th Avenue Brooklyn, NY 11209
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415 Ovington Ave Brooklyn, NY 11209 Phone: (718) 491-5684 Fax: (718) 491-0071

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Student's Name: _____

Parent's Signature: _____

P.S/ I.S. 30 Summer Math Project

One Hundred Hungry Ants by Elinor J. Pinczes

Step 1: Borrow the book from the Brooklyn Public Library, purchase a copy for your home library, or watch a YouTube video (https://www.youtube.com/watch?v=e31WRgHcb5w)

Step 2: Discuss the following questions as you read the text.

- When the ants were first interrupted, how did they arrange themselves?
- What addition sentence can express the way the ants were arranged?

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- When the ants were rearranged into four equal rows, how many were in each row?

- Why did the littlest ant think that his plan would work?

Step 3: Use the ant cutouts to determine all of the different ways ants can march in equal rows if there were 36 ants.

Step 4: Complete the table attached to record your results.

Step 5: Complete the attached worksheets. You can use your ant cutout to help you solve the problems.

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Multiplication Strategies

Array

rows with equal amount in each

× × × ×
× × × ×
× × × ×

3 x 4 = 12

Equal Groups

3 x 4 = 12

3 groups with 4 in each group

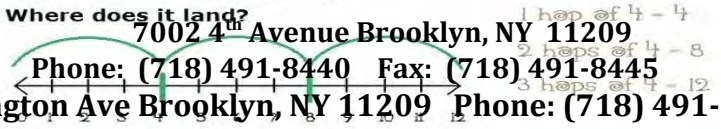
Repeated Addition

4 + 4 + 4 = 12

3 x 4 = 12

Number Line

A bird hops 4 cm each time,
Where does it land?



The bird lands at

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Determine all of the different ways ants can march in equal rows if there were 36 ants.

Complete the table attached to record your results.

36 Ants	
Number of rows	**Number of ants in each row**

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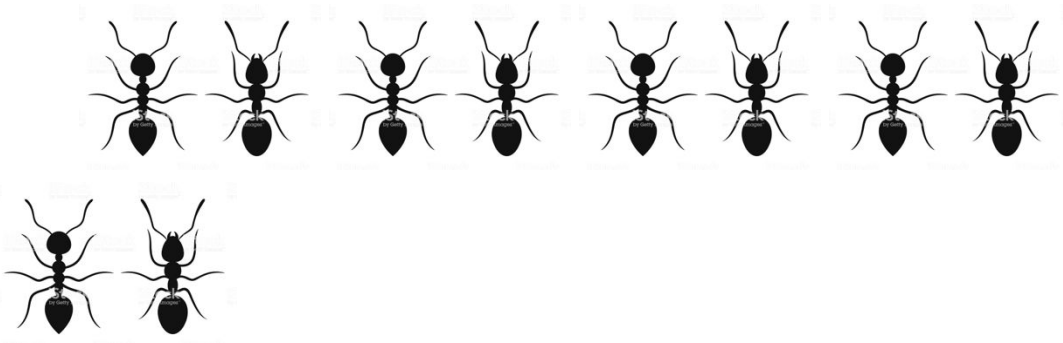

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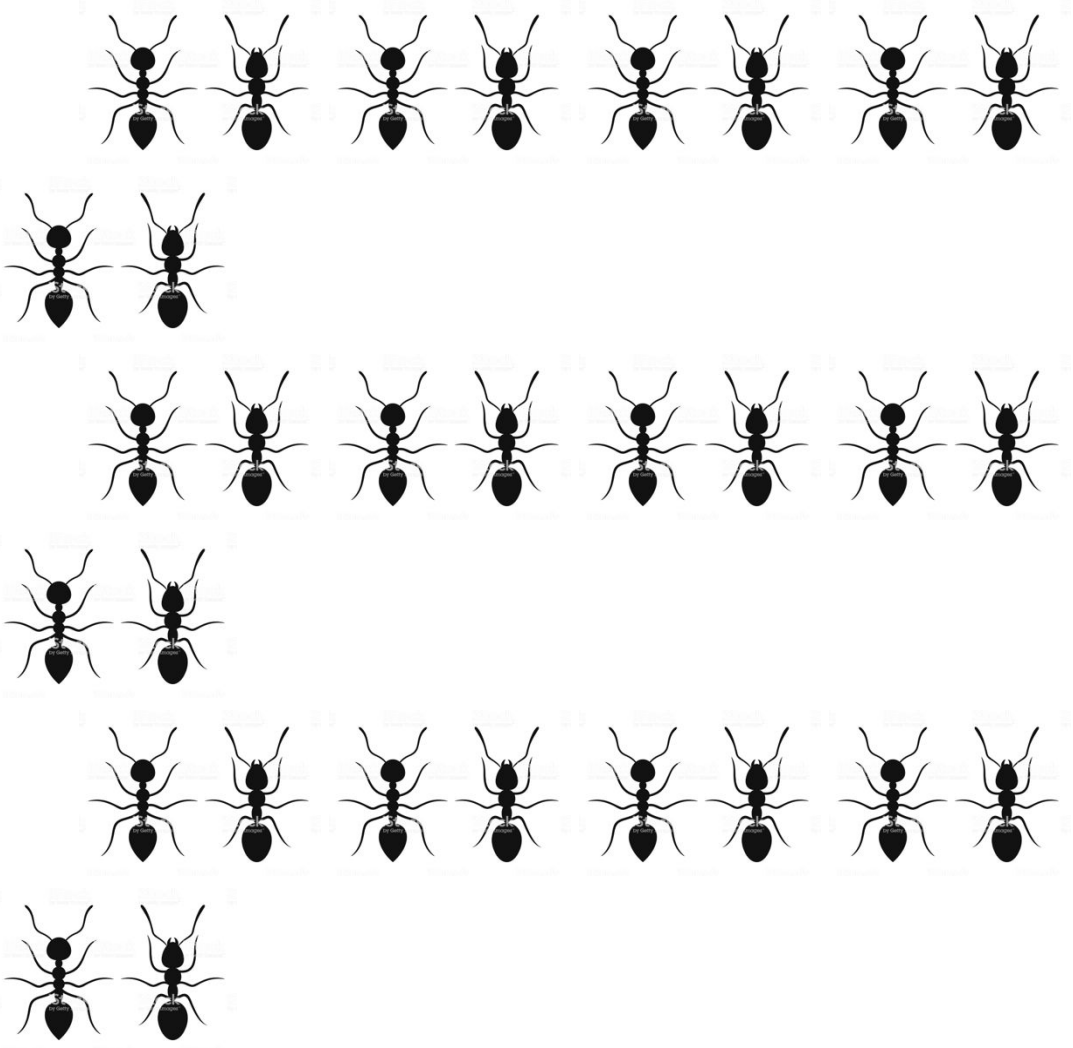

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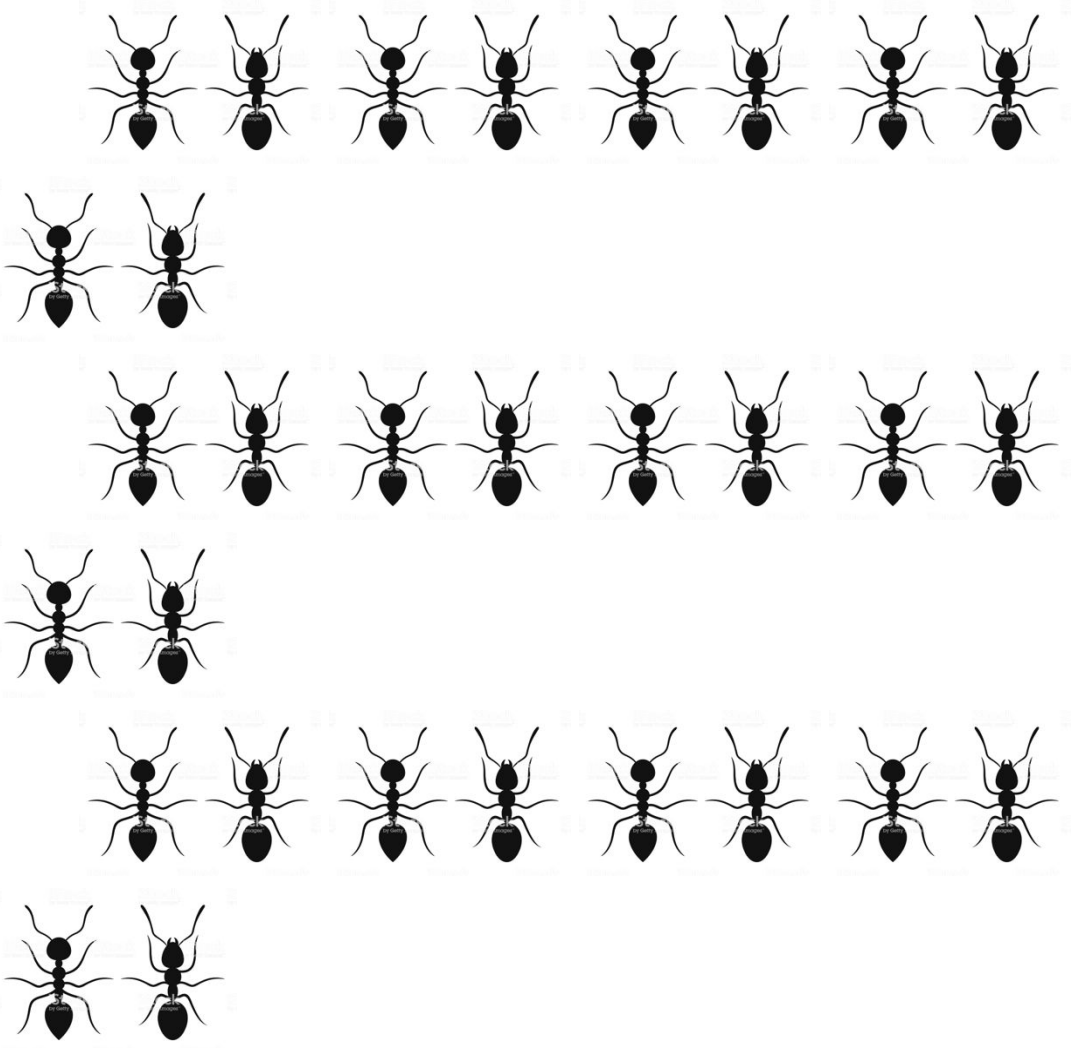

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Use the ant cutouts to determine one way the ants can march in **equal groups**, if there were 42 ants.

Cut and paste equal groups to record your results.

42 Ants

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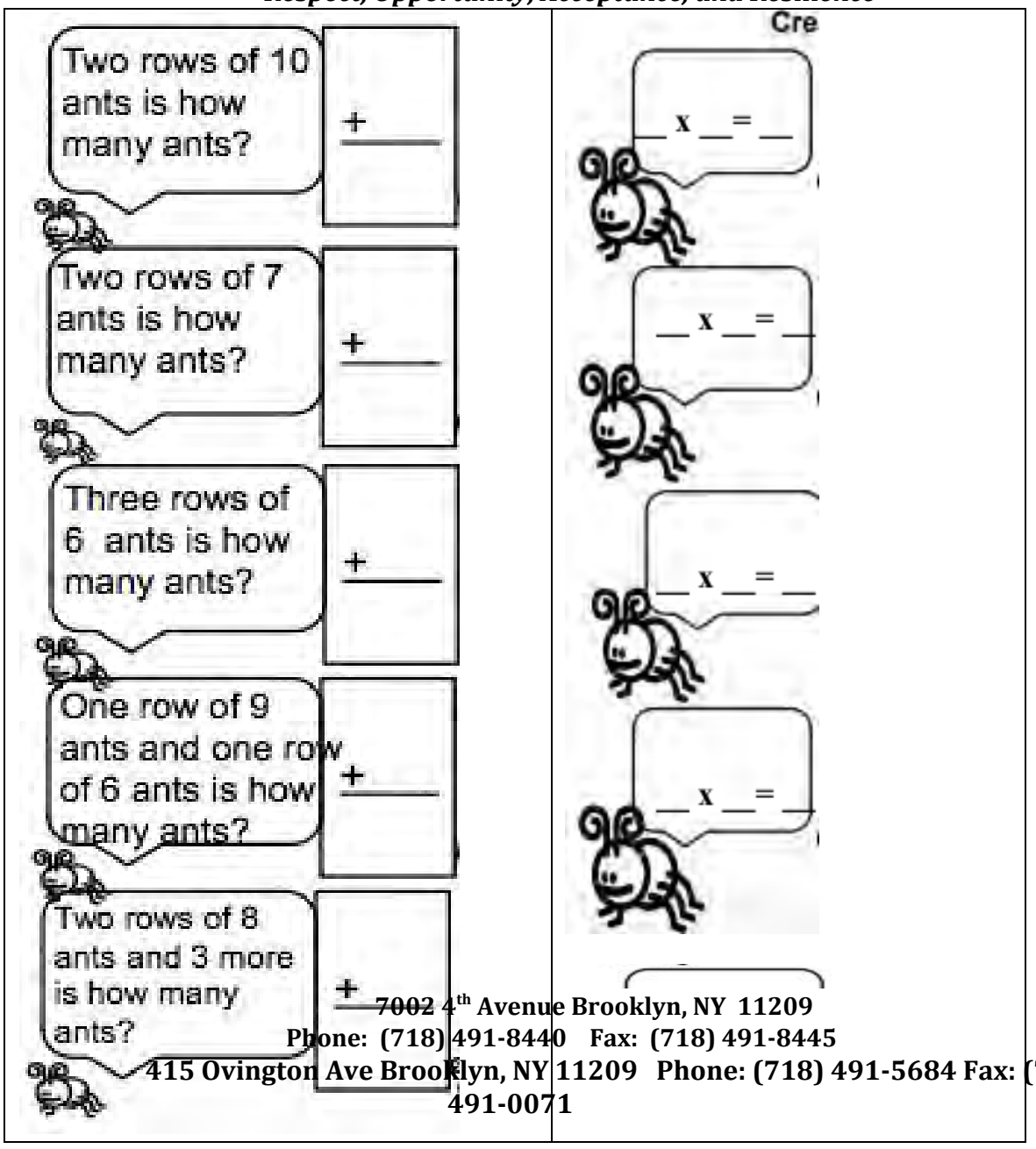

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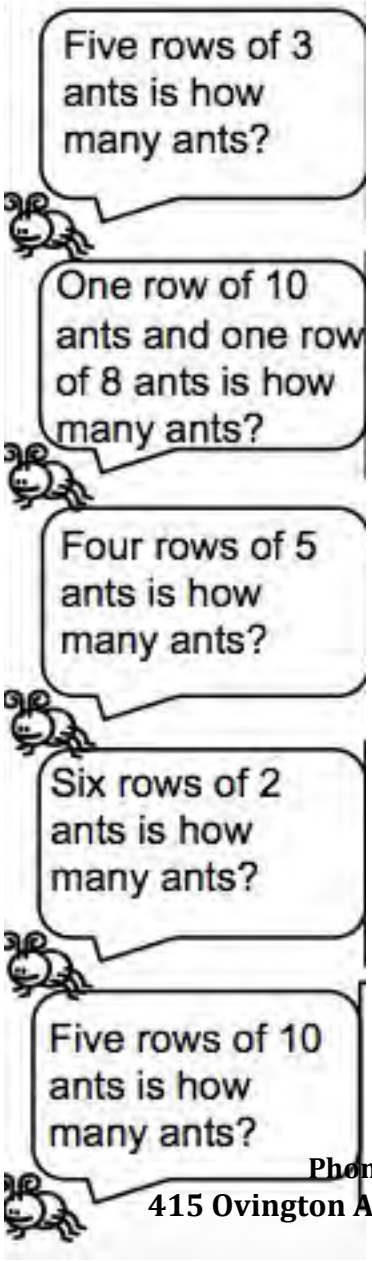

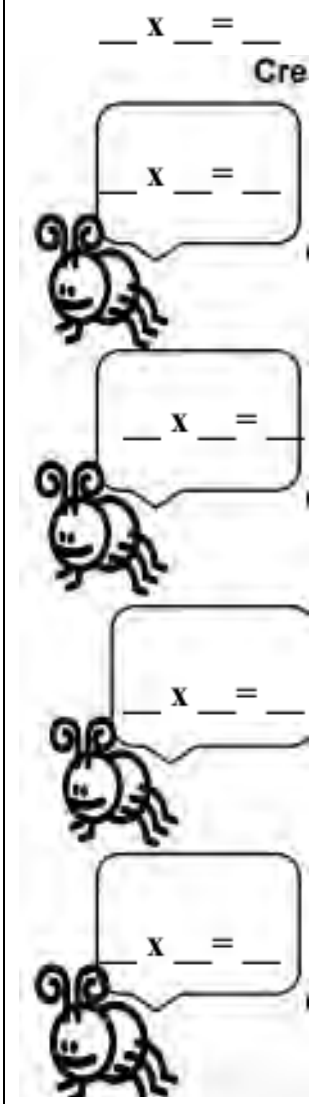

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	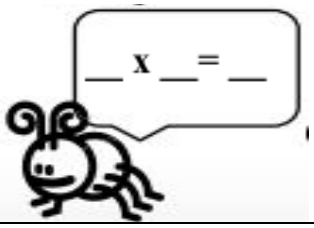

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Objective

I can use repeated addition to help me understand multiplication.

2.OA.4
Numbers and Operations in Base Ten

Example

6 + 6 + 6 = 18

Directions: Make rectangular arrays below to show repeated addition.

14

21

18

12

24

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Objective

I can fluently add and subtract within 1,000.

2.NBT.1
Numbers and Operations in Base Ten

Directions: Subtract to find the difference.

1. 86 - 45=
2. 573 - 206=
3. 749 - 258=
4. 836 - 548=
5. 508 - 443=
6. 500 - 428=

7. 732 − 458
8. 621 − 257
9. 500 − 267
10. 634 − 479

11. 3,771 − 2,504
12. 3,288 − 1,490
13. 6,004 − 1,739
14. 4,038 − 3,226

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