4th Grade Open House

Ms. Lehner (Literacy) and Ms. Lareau (Math)

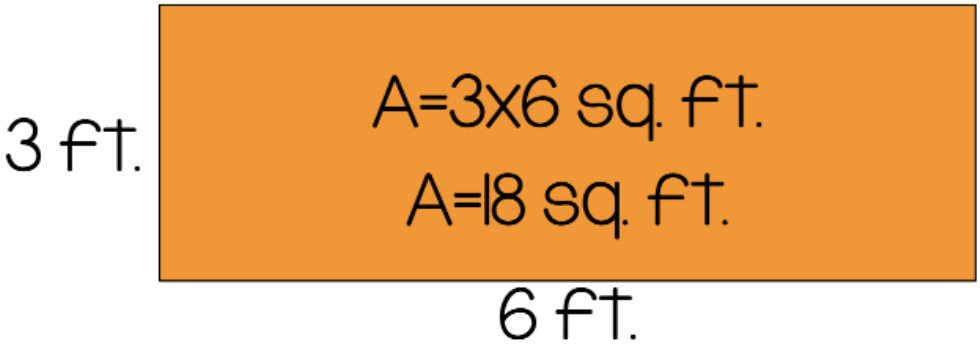
Literacy Information	Math Information
As the second half of the year approaches, we are diving into all things NONFICTION! Scholars will be learning how to annotate while reading, summarize nonfiction texts, identify text structures of nonfiction texts as well as write informational essays. Weekly Homework: • Literacy homework focuses on vocabulary, comprehension, grammar and writing. The vocabulary, passages, grammar and writing prompts change each week. Please go over your scholars homework with them before they turn it in to make sure they are practicing these spiral skills with fidelity! • Scholars should also be reading for 20-30 minutes each night. Additional Practice sites for home: • iReady (students know how to log in) • EPIC! Digital Library (students log in via Google Classroom) Ms. Lehner's Remind code: @eklehner4 Ms. Lehner's email: eklehner@gmail.com	Scholars are continuing to build on their understanding of multiplication and applying it as we dive into division with and without remainders. Students must continue practicing and building fluency with multiplication facts 0-12. Below are some recommendations for at-home practice. • Multiplication and Division Flashcards • Xtra Math • iReady • Khan Academy (tutorial videos and additional examples) Scholars have one homework sheet weekly to practice the weekly math lesson or review prior concepts. These are due on **Friday.** Scholars should check their grades on Aspen and follow up with teachers to redo or ask questions about assignments. *Please use the attached anchor charts to review with students at home!* Ms. Lareau's Remind code:@ smlareau4 Ms. Lareau's email: smlareau1@cps.edu

MULTIPLICATION CHART

x	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

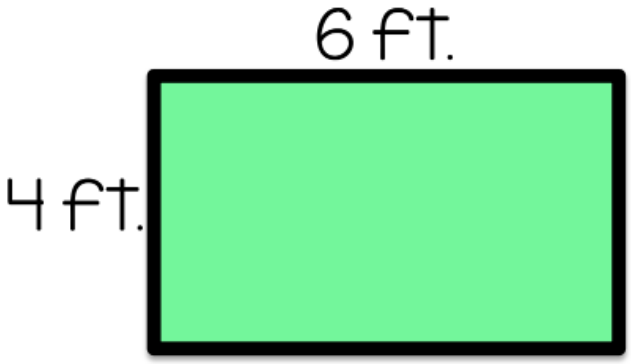
FINDING AREA and Perimeter

To find the area of rectangles, multiply length by width.



To find the perimeter of a figure, add all of the sides together.

P=3+3+3=9 in.



P=6+6+4+4=20 ft.

MULTIPLICATION STRATEGIES

PARTIAL PRODUCT

14
x 12
100 ← (10 x 10)
40 ← (10 x 4 ones)
20 ← (2 ones x 10)
+ 8 ← (2 ones x 4 ones)
168

OPEN AREA MODEL

	10	4
10	10 x 10 = 100	10 x 4 = 40
2	2 x 10 = 20	2 x 4 = 8

(10 x 10) + (10 x 4) + (2 x 10) + (2 x 4) =
100 + 40 + 20 + 8 = 168

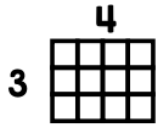
EXPANDED FORM

14 x 12
(10 + 4) x (10 + 2)

DISTRIBUTIVE PROPERTY

14 x 12 = 14 x (10 + 2)
= (14 x 10) + (14 x 2)
= 140 + 28
= 168

ARRAY



3 x 4 = 12
rows with equal amounts in each row

REPEATED ADDITION

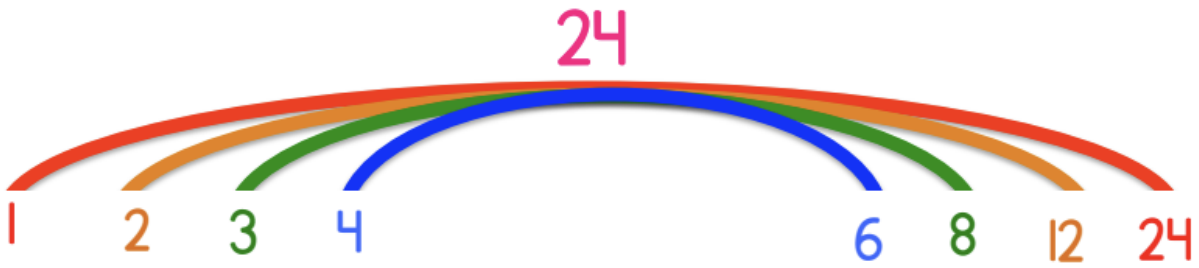
3 X 4 = 12
(3 fours)
4 + 4 + 4 = 12
12

EQUAL GROUPS

3 X 4 = 12
3 groups with 4 in each group

FACTORS & MULTIPLES

Factors-numbers multiplied together to get a product.



Prime Numbers-only 2 factors, one and itself

Composite Numbers-more than 2 factors

Multiples-product of a given number and another number

multiples of 4	4, 8, 12, 16, 20, 24, 28, 32
multiples of 6	54, 60, 66, 72, 78, 84, 90

They are numbers you land on when you skip count.

DIVIDING Large Numbers

Area Model

547÷3

hundreds	tens	ones
Groups of 300	Groups of 30	Groups of 3
547 -300 247 **1**	247 -240 7 **8**	7 -6 1 **2**

1. Find how many groups of 300 can be taken away from the dividend (547).
2. Take away the one group of 300 to find the remaining amount.
3. Find how many groups of 30 can be taken away from the remaining amount (247).
4. Take away the 8 groups of 30 to find the remaining amount.
5. Find how many groups of 3 can be taken away from the remaining amount (7).
6. Take away the 2 groups of three to find the remainder.