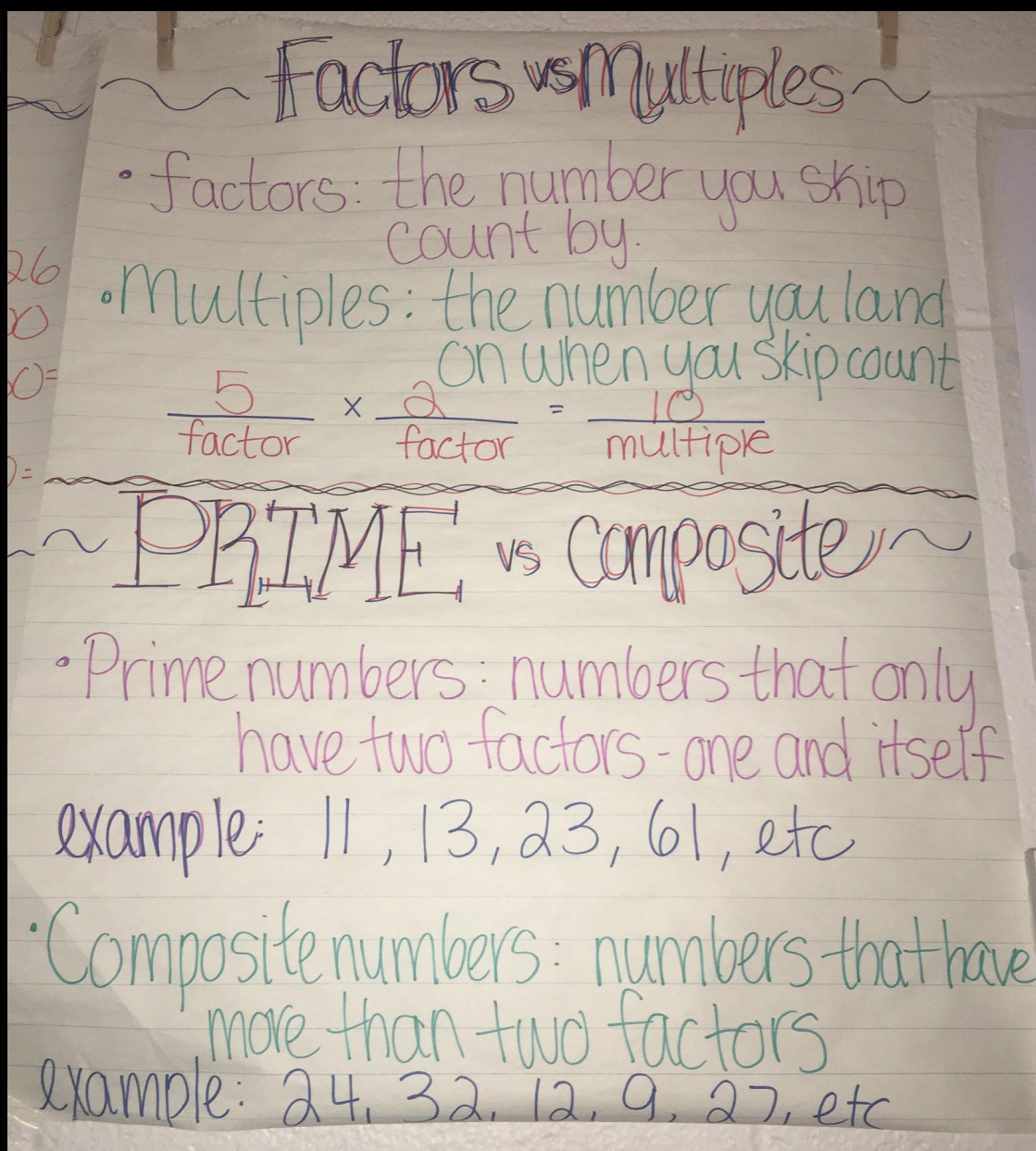


OPERATIONS AND ALGEBRAIC THINKING

NC.4.OA.4	Find all factor pairs for whole numbers up to and including 50 to: <ul style="list-style-type: none">• Recognize that a whole number is a multiple of each of its factors.• Determine whether a given whole number is a multiple of a given one digit number.• Determine if the number is prime or composite.
DESCRIPTION	By working with your class to generate an anchor chart like the one below, you can help students to develop and retain definitions of the important vocabulary associated with this standard.



OPERATIONS AND ALGEBRAIC THINKING

<p>NC.4.OA.4</p>	<p>Find all factor pairs for whole numbers up to and including 50 to:</p> <ul style="list-style-type: none"> Recognize that a whole number is a multiple of each of its factors. Determine whether a given whole number is a multiple of a given one digit number. Determine if the number is prime or composite.
<p>DESCRIPTION</p>	<p>Notice how the teacher uses multiple examples to help students understand the definitions listed on this anchor chart.</p>

OA.4 Factors & Multiples
Prime & Composite Numbers

Factors: a number that can be multiplied to make a certain product

Multiples: the result of multiplying a number by another number

Find the multiples of 7:
 7, 14, 21, 28, 35, 42, 49, ...

6 factors
 3 factor pairs

Prime Number:
 a number with ONLY two factors - itself & 1

Composite Number:
 a number with MORE than 2 factors

5 $\begin{array}{r} 5 \\ 1 \end{array}$
 7 $\begin{array}{r} 7 \\ 1 \end{array}$
 23 $\begin{array}{r} 23 \\ 1 \\ 23 \end{array}$

↑
 all these #s only have 2 factors

PRIME AND COMPOSITE NUMBERS
 Color all the prime numbers RED
 Color all the composite numbers BLUE

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

10 $\begin{array}{r} 10 \\ 2 \\ 5 \end{array}$
 27 $\begin{array}{r} 27 \\ 3 \\ 9 \end{array}$
 33 $\begin{array}{r} 33 \\ 3 \\ 11 \end{array}$
 100 $\begin{array}{r} 100 \\ 2 \\ 4 \\ 5 \\ 10 \end{array}$

all these #s have more than 2 factors