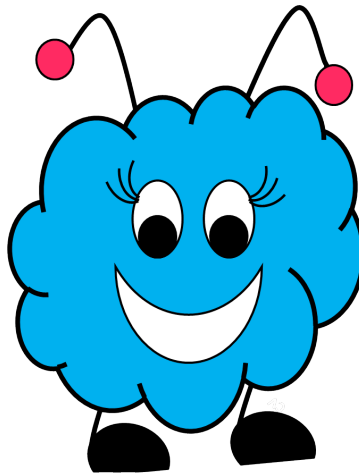


Student Notes:

Factor, Prime, Composite and Multiple



Common Core 4.OA.4

Operations & Algebraic Thinking

Gain familiarity with factors and multiples.

Find all factor pairs for a whole number in the range 1-100.

Recognize that a whole number is a multiple of each of its factor. Determine whether a given whole number in the range 1-100 is a multiple of a given one-digit number.

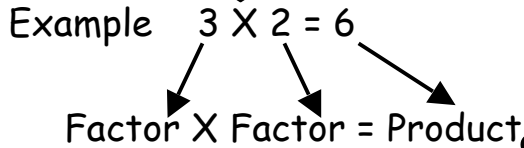
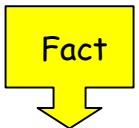
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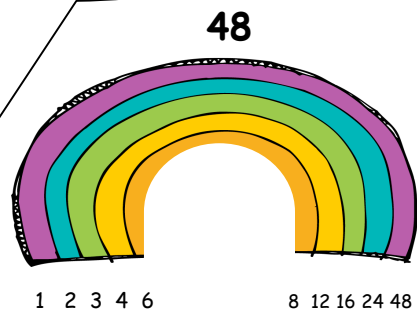
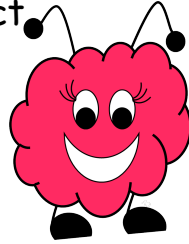


- Vocabulary
- Factor
 - Prime
 - Composite
 - Multiple

Factors are the numbers that you multiply to get another number (product).

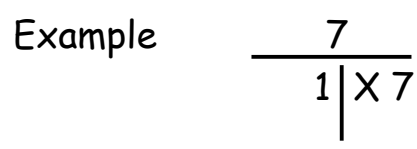


Factor Rainbows
Help keep factors in order from least to greatest.



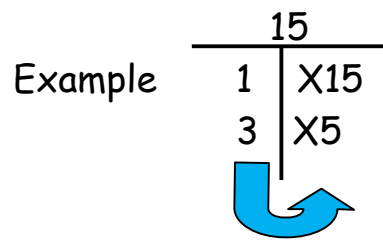
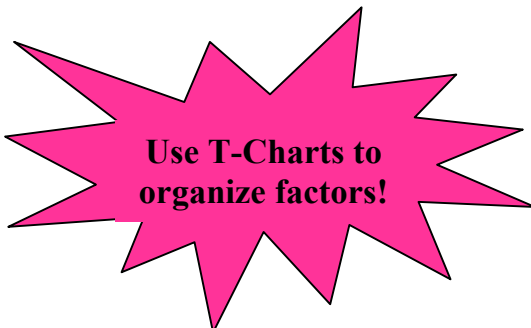
The **factors** of 48 are 1, 2, 3, 4, 6, 8, 12, 16, 24, and 48.

Prime Numbers are numbers that have only two factors. The factors are 1 and the number itself.



The **factors** of 7 are 1 and 7. 7 is a prime number.

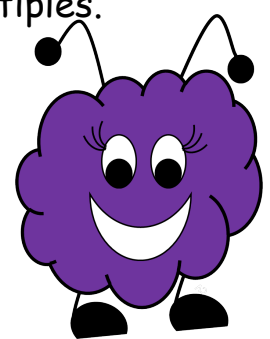
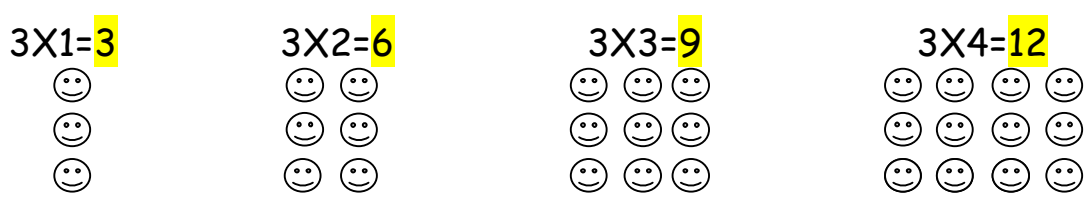
Composite Numbers are numbers that have more than two factors.



The **factors** of 15 are 1, 3, 5, and 15. 15 is a composite number. Make sure that factors are written in order from least to greatest so that you do not forget any factors!

Multiples are "skip-counting" numbers or "count by numbers". Think about multiplication facts when you are finding multiples.

The **multiples** of 3 are 3, 6, 9, 12... That is $3 \times 1 = 3$, $3 \times 2 = 6$, $3 \times 3 = 9$





THANK YOU

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