Family Math Engagement
Grab & Go: Factor and Multiples

This activity would be best used by:	
☐ Schools	☑ Families

Materials:
- Paper and pencil

Steps:
1. Have your child find factors and multiples for any number 1-100.
2. Example: Factors of 24: 1, 2, 3, 4, 6, 8, 12,24
3. Example: Multiples of the factors of 24:

    1, 2, 3, 4, 5, ..., <u>24</u>
    2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, <u>24</u>
    3, 6, 9, 12, 15, 18, 21, <u>24</u>
    4, 8, 12, 16, 20, <u>24</u>
    6, 12, 18, <u>24</u>
    8, 16, <u>24</u>
    12, <u>24</u>
    <u>24</u>

4. Discuss the common algorithm between factors and multiples.
    Example: Factor pairs of 24

    1 x 24 = 24   (24 multiples of 1 equal 24)
    2 x 12 = 24   (12 multiples of 2 equal 24)
    3 x 8 = 24   (8 multiples of 3 equal 24)
    4 x 6 = 24   (6 multiples of 4 equal 24)
    6 x 4 = 24   (4 multiples of 6 equal 24)
    8 x 3 = 24   (3 multiples of 8 equal 24)
    12 x 2 = 24   (2 multiples of 12 equal 24)
    24 x 1 = 24   (1 multiple of 24 equals 24)

Lagniappe:
- Practice seeing factors and multiples have a common algorithm.