Name _____

Factors and Multiples

You know that $1 \times 10 = \underline{10}$ and $2 \times 5 = \underline{10}$.

So, 1, 2, 5, and 10 are all **factors** of 10.

You can skip count to find **multiples** of a number:

Count by 1s: 1, 2, 3, 4, 5, 6, 7, 8, 9, **10,** . . .

Count by 2s: 2, 4, 6, 8, **10,** 12, . . .

Count by 5s: 5, **10,** 15, 20, 25, . . .

Count by 10s: **10,** 20, 30, 40, . . .

Note that **10** is a multiple of 1, 2, 5, and 10. A number is a multiple of all of its factors.

A **common multiple** is a multiple of two or more numbers. So, 10 is a common multiple of 1, 2, 5, and 10.

1 Multiply to list the next five multiples of 3.

3, ____, ____, ____, ____, ____

2 Multiply to list the next five multiples of 7.

7, ____, ____, ____, ____, ____

Is the number a factor of 8? Write yes or no.

3 2 _____

4 8 _____

5 15 _____

6 20 _____

Is the number a multiple of 4? Write yes or no.

7 2 _____

8 12 _____

9 16 _____

10 18 _____