**Factors**

**Date: Name:**

1. **What is a Factor?**

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1. **What is the difference between a Factor and a Multiple?**

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1. **Examples of Factors**

* 2 x 3 = 6, 1 x 6 = 6
  + This means that the numbers 1, 2, 3, and 6 are factors of 6.
* 3 x 3 = 9, 1 x 9 = 9
  + This means that 1, 3, and 9 are factors of 9.
* 2 x 4 = 8, 1 x 8 = 8
  + This means that 1, 2, 4, and 8 are factors of 8.

1. We have to determine all of the possible multiplication equations that we can make to equal a specific number. All of the numbers that can be used to create an equation are considered to be factors.
2. We write factors of numbers in order from least to greatest.

**Practice Time!**

**Instructions:** Determine the factors for each of the following numbers. Make sure to write down all of the possible multiplication equations for each number and write a sentence to explain your answer.You may use a calculator when you feel that you need to.

1. **32**

**B. 48**

**C. 24**

**D. 25**

**E. 27**

**F. 60**

**G. 80**

**H. 55**

**J. 18**