

Name: \_\_\_\_\_

## Prime and Composite Number Questions

1. What are factors?

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2. How is a prime number different from a composite number?

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4. Are there any numbers that are neither prime nor composite? Explain.

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5. Find the prime number from the list below. Explain how you can tell which one is prime.

465	822	600	743
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# ANSWER KEY

## Prime and Composite Number Questions

1. What are factors?

**Factors are the numbers that are multiplied together to make a larger number.**

2. How is a prime number different from a composite number?

**A prime number has exactly two factors. A composite number has more than**

3.

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4.

5.

**743 has to be the prime number, by deduction. 465 has 5 as a factor because any number whose final digit is 5 is divisible by 5. 822 has 2 as a factor because all even numbers can be divided by 2. 600 cannot be prime because any number whose final digit is 0 is divisible by 10.**