

Name: _____ Date: _____

Prime and Composite Numbers

Q1. What are co-prime numbers? Give example.

Q2. Are all co-prime numbers are prime?

Q3. True/False.

- a. The smallest composite number is 4. _____
- b. The smallest prime number is 1. _____
- c. 1 is neither prime nor composite. _____
- d. A prime number is a number that has only two factors i.e. 1 and itself. _____
- e. A number which has more than three factors is called a composite number. _____
- f. All prime numbers are odd numbers. _____
- g. 1 is co-prime with every number. _____
- h. Every prime number is not a co-prime to each other. _____
- i. Any two successive numbers are always co-primed. _____
- j. The sum of two prime numbers is always a prime number. _____
- k. The H.C.F of two prime numbers is always 1. _____

Q4. Write two pair of prime numbers whose difference is 1.

Answers

Prime and Composite Numbers

Q1. What are co-prime numbers? Give example.

Prime numbers are natural numbers that have only 2 factors i.e. 1 and itself. Example: 19

Q2. Are all co-prime numbers are prime?

No, Example: 8 and 9

Q3. True/False.

- a. The smallest composite number is 4. True
- b. The smallest prime number is 1. False
- c. 1 is neither prime nor composite. True
- d. A prime number is a number that has only two factors i.e. 1 and itself. True
- e. A number which has more than three factors is called a composite number. False
- f. All prime numbers are odd numbers. False
- g. 1 is co-prime with every number. True
- h. Every prime number is not a co-prime to each other. False
- i. Any two successive numbers are always co-primed. True
- j. The sum of two prime numbers is always a prime number. False
- k. The H.C.F of two prime numbers is always 1. True

Q4. Write two pair of prime numbers whose difference is 1.

a. 5 and 7 b. 11 and 13