

1.36

Prime Numbers between Two Integers

• Example 1

Write all prime numbers between 1 and 13.

We begin with 2 and work our way up

2 is a prime because its only factors are 2 and 1

3 is a prime because its only factors are 3 and 1

4 is not a prime as 2 is a factor.

We continue in this fashion to obtain the following:

6, 8, 9, 10, 12 are not prime

5, 7, and 11 are prime.

Thus our list of prime numbers between 1 and 13 becomes 2, 3, 5, 7, and 11.

● ● ● CHECK YOURSELF 1

Write all prime numbers between 8 and 21

● ● ● CHECK YOURSELF ANSWER

1. 11, 13, 17, 19.

1.36 Exercises

Name _____

Section _____

Date _____

A N S W E R S

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

Write all prime numbers that are between the numbers given.

1. 4 and 20

2. 14 and 32

3. 12 and 26

4. 4 and 18

5. 26 and 46

6. 16 and 27

7. 8 and 19