


Name : _____		Subject : Algebra
Date : ____/____/2020		Class : Grade 7
Teacher : Alaa hattab		Duration :
Lesson : Prime numbers	Department of Math	Score :

### Exercise 1:

#### Divisibility of a number by 2, 3, or 5:

Choose the correct answer(s) depending on whether the number is

**Divisible by 2, 3 or 5:**



Divisible by 2



Divisible by 3



Divisible by 5

Number	2	3	5
315			
712			
85			
630			
9624			
91			
70			
63			

### Exercise 2:



Listen:



Complete the table then choose if it prime or not:

The integer	The list of divisors	The number of divisors	Prime or not prime
2			
3			
4			
5			
6			
7			
8			
9			
10			

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**Exercise 3:**

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Say why each of the following numbers **isn't prime**. And write the way.(drag and drop)

10011: \_\_\_\_\_ 49: \_\_\_\_\_

3050: \_\_\_\_\_ 54: \_\_\_\_\_

Divisible by 3  
So it has more  
than two divisors

Divisible by 7  
So it has more  
than two

Divisible by 5  
So it has more  
than two

Divisible by 2  
So it has more  
than two

### Exercise 4:

### Decomposition a number into prime factors:

Decompose the following numbers into prime factors:

180=\_\_\_\_\_

 $4 \times 9 =$ 

$$8^2 \times 12^3 \times 9 = (\dots\dots\dots) \times (\dots\dots \times \dots\dots) \times \dots\dots\dots$$

$$= \dots \times \dots \times \dots$$

$$= \dots \times \dots$$

180

8

12

9