Name	:	( * · ·	Subject : Algebra
Date	://2020	STARS COLLEGE	Class : Grade 7
Teacher	: Alaa hattab	Dacad	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



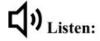
Divisible by 3



Divisible by 5

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

# **Exercise 2:**



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			

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=\_\_\_\_

4×9=\_\_\_\_

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

= .....×....×.....×.....×

= .....×....

180

8

12

9