

	e 4 Ma media	ath: Divisib te	ility of	Numbei	rs Prac	tice Wor	ksheet	: Difficu	ulty Level:	
Name	e:									
Date:	:		_							
ldent	ifying	and Analy	zing Div	/isibility	/					
1.	<ul><li>1. Which of the following numbers is divisible by both 4 and 6?</li><li>48, 64, 72, 96, 100</li></ul>									
2. Find a 3-digit number that is divisible by 5 and 9.										
3.	3. Find the smallest number greater than 500 that is divisible by 8.									
4.	0	n the blanks 2_7 8_4	s to ma	ke the r	numbei	divisibl	e by 3:			
5.	Whic	ch number l	betwee	า 400 ar	nd 500	is divisi	ble by k	ooth 7 a	and 10?	
		Divisibility F		e (Write	Yes/N	o at app	ropriate	e place	s)	
		Number	÷2	÷3	÷4	÷5	÷6	÷9		
									1	



936		_		_	_
720	_				_
855		_	 _	_	_
1024			 _		_

## **True or False with Explanation**

- 1. If a number is divisible by 4, it must also be divisible by 8.
- 2. If a number ends in 0, it is always divisible by 5.
- 3. Any number divisible by both 3 and 4 must be divisible by 12.
- 4. A number is divisible by 6 if it is divisible by both 2 and 3.
- 5. The sum of the digits of 785 is 20, so 785 is divisible by 3.

## **Word Problems on Divisibility**

- 1. A school orders 840 notebooks. Each student receives 6 notebooks.
  - O How many students are there?
  - o Is 840 divisible by 3?
- 2. A baker arranges 234 cupcakes into trays of 9 each.
  - Will any cupcakes be left over?
- 3. Find the smallest number greater than 300 that is divisible by both 7 and 8.
- 4. A class of 125 students is divided into equal groups of 5, 10, or 25.



- o Will the students be evenly divided in all cases?
- 5. A factory produces 660 toys every week.
  - o Can they be packed into boxes of 11?

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