

Assignment 1

After reading the handout on divisibility and square numbers, one, hopefully, can find out if a number is divisible by a particular number. Three digit numbers are easy to find. Look at any license plate.

Divisibility by 2, 3, 4, 5, 6, 9, and 10 are very useful in this class. One would have to quickly decide if a number would be divisible by these numbers.

For each numbers, indicate if it is divisible by 2, 3, 4, 5, 6, 9, 10. Explain why for any five problems below.

874	
816	
714	
475	
545	
924	
50	
438	
	629
	469
	740
	293
	391
	573
	428
	921

2. If a 3-digit number is divisible by 4 and one subtracts a multiple of 4, would the number still be divisible by 4? Explain.

3. Complete the table

Number	prime/ Composite?	Number	prime/ composite?
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3245	
177	
189	
276	

387	
291	
789	
245	

4. Answer, yes/ no

Number	square number?	Number	square number?
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72		81	
81		144	
49		38	