Name:_____

Prime & Composite: Week 1

MATH 4 Days!

Do all work on a separate piece of paper and attach. Record just the answers below.

Monday	A number that has more than two factors.	A number with only two factors– one and itself.	Numbers that when multiplied together result in a product.	Numbers that can be divided by two with no remainder.	These numbers cannot be evenly divided by two.

Word bank for Monday: Even, Factor, Odd, Prime, Composite

Tuesday	Factor out the number. 35	Factor out the number. 2	Factor out the number. 57	Factor out the number. 91	Factor out the number. 29
	Odd or Even? Prime or Composite?	Odd or Even? Prime or Composite?	Odd or Even? Prime or Composite?	Odd or Even? Prime or Composite?	Odd or Even? Prime or Composite?

Wednesday	<u>Divisibility rule for 2</u> If a number ends in 0,2,4,6,8 it is divisible by 2. Example) 238 ends in 8, so it is divisible by 2. **Are the following numbers divisible by 2?** 236 2967	<u>Divisibility rule for 3</u> If the sum of the digits in the number is divisible by 3, so is the number. Example) 12,345: 1+2+3+4+5= 15; 15 is divisible by 3, so 12,345 is also divisible by 3. **Are the following numbers divisible by 3?** 3,956 8,493	<u>Divisibility rule for 4</u> If the last two digits are divisible by 4, the number is divisible by 4. Example) 25,348: 48 is divisible by 4, so the entire number is also divisible by 4. **Are the following numbers divisible by 4?** 395 9,128	<u>Divisibility rule for 5</u> If a number ends in a 0 or 5, the number is divisible by 5. Example) 8,495 ends in a 5, so it is divisible by 5. **Are the following numbers divisible by 5?** 284 10,294,680	<u>Divisibility rule for 6</u> If a number is divisible by both 2 and 3, the number is also divisible by 6. Example) 9,612 is divisible by both 2 and 3, so it is also divisible by 6. **Are the following numbers divisible by 6?** 29,412 8,742

Thursday	Find the sum. 2,356 678	Find the difference. 2,356 788	Find the product. 92 6	Find the product. 329 15	Find the quotient. 2,685 12