


1-4. Use the divisibility rules to complete the chart below.

Place a  if the given number is divisible by 2, 3, 4, 5, 6, 9, or 10.

	Divisible by...						
Number	2	3	4	5	6	9	10
936							
2025							
784							
990							

5.-11. Place the following numbers in the correct container.

<b>7 19 27 43 51 66 81</b>
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<b>Primes</b>	<b>Composites</b>

12.

Set A

15 45 75 105
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Set B

25 55 85 115
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Which statement best describes a common characteristic of Set A but **NOT** a common characteristic of Set B?

- A. The numbers are all divisible by 5.
- B. The numbers are all divisible by 3.
- C. The numbers are all greater than 10.
- D. The numbers are all composite.



19.-22. Find the prime factorization of the following numbers by creating a factor tree. **Write your answer with exponents.**

<b>52</b>
Tree
Answer

<b>108</b>
Tree
Answer

23.-28. Find the Greatest Common Factor (GCF) by creating factor trees and then a Venn diagram.

<b>25, 45</b>	
<b>25</b>	<b>45</b>
Venn	
GCF	

<b>42, 70</b>	
<b>42</b>	<b>70</b>
Venn	
GCF	