
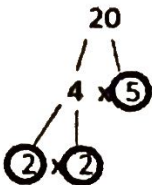
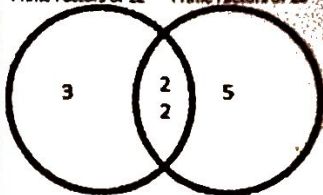
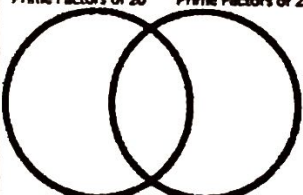
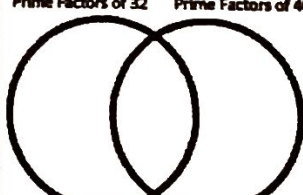
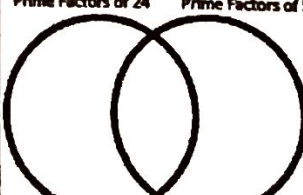


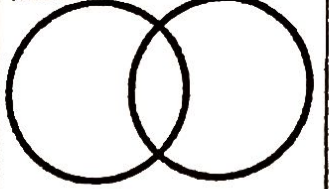
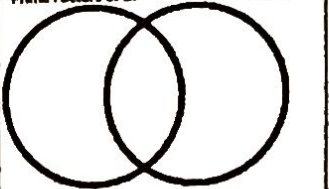
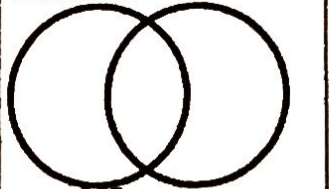
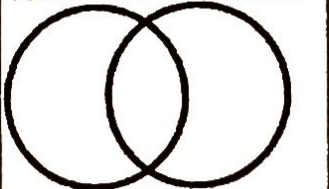
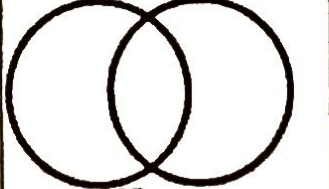
Name _____

Date _____

Factor Trees, GCF, and LCM

Directions: Find the prime factors of each number, and then fill in the Venn diagram to compare and contrast the prime factors of both numbers. Finally, write the Greatest Common Factor (GCF) of the numbers by multiplying the common prime factors and the Least Common Multiple (LCM) by multiplying all the prime factors in the Venn diagram.

Numbers	Factor Trees	Factor Trees	Venn Diagram
<p>Example:</p> <p>12 and 20</p>	 <p>2 x 2 x 3</p>	 <p>2 x 2 x 5</p>	<p>Prime Factors of 12 Prime Factors of 20</p>  <p>GCF <u>4</u></p> <p>LCM <u>60</u></p>
<p>20 and 28</p>			<p>Prime Factors of 20 Prime Factors of 28</p>  <p>GCF _____</p> <p>LCM _____</p>
<p>32 and 40</p>			<p>Prime Factors of 32 Prime Factors of 40</p>  <p>GCF _____</p> <p>LCM _____</p>
<p>24 and 54</p>			<p>Prime Factors of 24 Prime Factors of 54</p>  <p>GCF _____</p> <p>LCM _____</p>

Numbers	Factor Trees	Factor Trees	Venn Diagram
16 and 8			<p>Prime Factors of 16 Prime Factors of 8</p>  <p>GCF _____ LCM _____</p>
27 and 9			<p>Prime Factors of 27 Prime Factors of 9</p>  <p>GCF _____ LCM _____</p>
10 and 16			<p>Prime Factors of 10 Prime Factors of 16</p>  <p>GCF _____ LCM _____</p>
18 and 30			<p>Prime Factors of 18 Prime Factors of 30</p>  <p>GCF _____ LCM _____</p>
15 and 25			<p>Prime Factors of 15 Prime Factors of 25</p>  <p>GCF _____ LCM _____</p>