

| Prime Decomposition                                                                                              | Venn Diagram | LCM                                                              | HCF |
|------------------------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------|-----|
| <div> <div> 18 <div> 3 6 <div> 2 3 </div> </div> </div> <div> 28 <div> 4 7 <div> 2 2 </div> </div> </div> </div> |              | $3 \times 3 \times 2 \times 2 \times 7$<br>$= 252$               | 2   |
| <div> <div> 21 <div> 3 7 </div> </div> <div> 15 <div> 3 5 </div> </div> </div>                                   |              |                                                                  | 3   |
| <div> <div> 16 <div> 4 4 <div> 2 2 2 2 </div> </div> </div> <div> 18 <div> </div> </div> </div>                  |              | $2 \times 2 \times 2 \times 2 \times 2 \times ? \times ?$<br>$=$ |     |
| 14                      24                                                                                       |              |                                                                  |     |
| 25                      60                                                                                       |              |                                                                  |     |
| 12                      22                                                                                       |              |                                                                  |     |
| 42                      35                                                                                       |              |                                                                  |     |

| Prime Decomposition                                           | Venn Diagram | LCM                                      | HCF                   |
|---------------------------------------------------------------|--------------|------------------------------------------|-----------------------|
| <div> <div> 8 2 4 2 2 </div> <div> 28 4 7 2 2 </div> </div>   |              | $2 \times 2 \times 2 \times 7$<br>$= 56$ | $2 \times 2$<br>$= 4$ |
| <div> <div>18</div> <div>63</div> </div>                      |              |                                          |                       |
| <div> <div>60</div> <div>28</div> </div>                      |              |                                          |                       |
| <div> <div> 42 7 6 2 3 </div> <div> 66 6 11 2 3 </div> </div> |              |                                          |                       |
| <div> <div>180</div> <div>108</div> </div>                    |              |                                          |                       |
| <div> <div>80</div> <div>120</div> </div>                     |              |                                          |                       |
| <div> <div>17</div> <div>71</div> </div>                      |              |                                          |                       |