

# Fill in the Blanks

# HCF and LCM by Repeated Division

Numbers	Repeated Division	Highest Common Factor (HCF)	Lowest Common Multiple (LCM)									
45 and 60	<table border="1"> <tr><td></td><td>45</td><td>60</td></tr> <tr><td>5</td><td>9</td><td>12</td></tr> <tr><td>3</td><td>3</td><td>4</td></tr> </table>		45	60	5	9	12	3	3	4	$5 \times 3 = 15$	$5 \times 3 \times 3 \times 4 = 180$
	45	60										
5	9	12										
3	3	4										
24 and 30	<table border="1"> <tr><td></td><td>24</td><td>30</td></tr> <tr><td>2</td><td>12</td><td>15</td></tr> <tr><td>3</td><td>4</td><td>5</td></tr> </table>		24	30	2	12	15	3	4	5	$2 \times 3 = 6$	$2 \times 3 \times 4 \times 5 = 120$
	24	30										
2	12	15										
3	4	5										
35 and 50	<table border="1"> <tr><td></td><td>35</td><td>50</td></tr> <tr><td>5</td><td>7</td><td>10</td></tr> </table>		35	50	5	7	10	5	$5 \times 7 \times 10 = 350$			
	35	50										
5	7	10										
36 and 42	<table border="1"> <tr><td></td><td>36</td><td>42</td></tr> <tr><td>2</td><td>18</td><td>21</td></tr> <tr><td>3</td><td>6</td><td>7</td></tr> </table>		36	42	2	18	21	3	6	7	$2 \times 3 = 6$	$2 \times 3 \times 6 \times 7 = 252$
	36	42										
2	18	21										
3	6	7										
60 and 72	<table border="1"> <tr><td></td><td>60</td><td>72</td></tr> <tr><td>6</td><td>10</td><td>12</td></tr> <tr><td>2</td><td>5</td><td>6</td></tr> </table>		60	72	6	10	12	2	5	6	$6 \times 2 = 12$	$6 \times 2 \times 5 \times 6 = 360$
	60	72										
6	10	12										
2	5	6										
80 and 112	<table border="1"> <tr><td></td><td>80</td><td>112</td></tr> <tr><td>2</td><td>40</td><td>56</td></tr> <tr><td>8</td><td>5</td><td>7</td></tr> </table>		80	112	2	40	56	8	5	7	$2 \times 8 = 16$	$2 \times 8 \times 5 \times 7 = 560$
	80	112										
2	40	56										
8	5	7										
54 and 72	<table border="1"> <tr><td></td><td>54</td><td>72</td></tr> <tr><td>9</td><td>6</td><td>8</td></tr> <tr><td>2</td><td>3</td><td>4</td></tr> </table>		54	72	9	6	8	2	3	4	$9 \times 2 = 18$	$9 \times 2 \times 3 \times 4 = 216$
	54	72										
9	6	8										
2	3	4										