

**Lowest Common Multiple****Find the lowest common multiple?**

1) **10 , 56 =**

2) **49 , 6 =**

3) **4 , 12 =**

4) **10 , 28 =**

5) **45 , 15 =**

6) **12 , 22 =**

7) **12 , 8 =**

## Lowest Common Multiple: Solutions

1) **10 , 56**      $10 = 2 \times 5$   
                           $56 = 2 \times 2 \times 2 \times 7$   
                          **LCM (10, 56) = 280**

2) **49 , 6**      $49 = 7 \times 7$   
                           $6 = 2 \times 3$   
                          **LCM (49, 6) = 294**

3) **4 , 12**      $4 = 2 \times 2$   
                           $12 = 2 \times 2 \times 3$   
                          **LCM (4, 12) = 12**

4) **10 , 28**      $10 = 2 \times 5$   
                           $28 = 2 \times 2 \times 7$   
                          **LCM (10, 28) = 140**

5) **45 , 15**      $45 = 3 \times 3 \times 5$   
                           $15 = 3 \times 5$   
                          **LCM (45, 15) = 45**

6) **12 , 22**      $12 = 2 \times 2 \times 3$   
                           $22 = 2 \times 11$   
                          **LCM (12, 22) = 132**

7) **12 , 8**      $12 = 2 \times 2 \times 3$   
                           $8 = 2 \times 2 \times 2$   
                          **LCM (12, 8) = 24**