

Name - \_\_\_\_\_

Start time - \_\_: \_\_

End time - \_\_: \_\_

LCM & HCF :

1. Given that  $15 = 3^1 \times 5$  and  $24 = 2^3 \times 3^1$ , find the LCM of 15 and 24.

2. Find the HCF of 72 and 96.

3. If  $18 = 2^1 \times 3^2$  and  $36 = 2^2 \times 3^2$ , what is the LCM of 18 and 36?

4. Calculate the HCF of 140 and 210.

5. Given that  $25 = 5^2$  and  $30 = 2^1 \times 3^1 \times 5^1$ , find the LCM of 25 and 30.

6. If  $16 = 2^4$  and  $20 = 2^2 \times 5^1$ , determine the LCM of 16 and 20.

7. Given that  $27 = 3^3$  and  $36 = 2^2 \times 3^2$ , find the LCM of 27 and 36.

8.  $180 = 2^2 \times 3^2 \times 5$  and  $84 = 2^2 \times 3 \times 7$ . use this find the HCF of 180 and 84.

9.  $P = 3^7 \times 11^2$  and  $Q = 3^4 \times 7^3 \times 11$ . write as the products of prime factors.  
(a) the LCM of P and Q.  
(b) the HCF of P and Q.

10. Calculate the HCF of 63 and 84.

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