

LCM and HCF

1. Which one is the largest fraction among $\frac{5}{7}$, $\frac{7}{9}$ and $\frac{11}{13}$?
(A) $\frac{5}{7}$ (B) $\frac{7}{9}$
(C) $\frac{11}{13}$ (D) All are equal
2. What is the Highest Common Factor of 24, 40 and 120?
(A) 8 (B) 4
(C) 12 (D) 40
3. What is the LCM of $\frac{18}{5}$ and $\frac{20}{9}$?
(A) 60 (B) 12
(C) 30 (D) 180
4. Which fraction among $\frac{3}{7}$, $\frac{4}{11}$ and $\frac{5}{8}$ is the smallest?
(A) $\frac{3}{7}$ (B) $\frac{4}{11}$
(C) $\frac{5}{8}$ (D) All are equal
5. What is the Highest Common Factor of $\frac{3}{4}$ and $\frac{12}{13}$?
(A) $\frac{3}{13}$ (B) $\frac{3}{52}$
(C) $\frac{3}{26}$ (D) $\frac{3}{41}$
6. Which fraction among $\frac{3}{11}$, $\frac{4}{7}$ and $\frac{5}{8}$ is the smallest?
(A) $\frac{3}{11}$ (B) $\frac{4}{7}$
(C) $\frac{5}{8}$ (D) All are equal
7. Which of the following is true?
(A) $\frac{6}{7} > \frac{4}{5} > \frac{3}{4}$ (B) $\frac{4}{5} > \frac{6}{7} > \frac{3}{4}$
(C) $\frac{6}{7} > \frac{3}{4} > \frac{4}{5}$ (D) $\frac{3}{4} > \frac{4}{5} > \frac{6}{7}$
8. What is the least common multiple of 24, 48 and 72?
(A) 72 (B) 144
(C) 288 (D) 216
9. What is the LCM of 64 and 56?
(A) 448 (B) 488
(C) 484 (D) 408
10. What is the HCF of 6345 and 2160?
(A) 45 (B) 135
(C) 270 (D) 15
11. What is the LCM of 120 and 450?
(A) 2400 (B) 1800
(C) 3600 (D) 4800
12. What is the HCF of $2^3 \times 3^4$ and $2^5 \times 3^2$?
(A) $2^5 \times 3^3$ (B) $2^3 \times 3^4$
(C) $2^3 \times 3^2$ (D) $2^5 \times 3^4$
13. A is The highest common factor of $\frac{3}{4}$ and $\frac{9}{16}$, and least common multiple of $\frac{16}{5}$ and $\frac{4}{25}$ is B, then what is the value of A + B?
(A) $\frac{250}{81}$ (B) $\frac{70}{23}$
(C) $\frac{271}{80}$ (D) $\frac{260}{71}$
14. What is the maximum common factor (HCF) of $\frac{7}{16}$, $\frac{21}{32}$ and $\frac{49}{8}$?
(A) $\frac{7}{64}$ (B) $\frac{147}{32}$
(C) $\frac{147}{8}$ (D) $\frac{7}{32}$
15. What is the Least Common Multiple of all even numbers between 5 and 13?
(A) 120 (B) 90
(C) 180 (D) 60
16. If the Least Common Multiple of 56, 57 and 58 is K, then what will be the Least Common Multiple of 56, 57, 58 and 59?
(A) 177 K (B) 59 K
(C) 56 K (D) 57 K
17. If Least Common Multiple of 23 and 24 is A and Highest Common Factor of 23 and 24 is B, then what is the value of A + B?
(A) 451 (B) 551
(C) 553 (D) 452

18. What is the Highest Common Factor of 42, 168 and 210?
(A) 14 (B) 21
(C) 42 (D) 7
19. The product of two numbers is 6845, if the HCF of the number is 37, then the greater number is:
20. If $x \times y$ denotes HCF of x and y and $x @ y$ denotes LCM of x and y , then the value of $(72 \times 84) @ 144$ is:
(A) 144 (B) 504
(C) 210 (D) 420