

3, 6, 9, 16, 18, 21, 21, 1, 1, 1, 5, 5, 10, 16, 20, 30, 35, 10,
$$20, 30$$

30 is least common multiple.
5 3, 5, 10
3, 1, 2

GCF
Find GCF of 15, 20, 25

$$15 = 3 \times 5$$
, GCF = 5
 $20 = 4 \times 5$
 $25 = 5 \times 5$
Product of two two = LCM × GCM.

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1. What will be LCM of 16, 20, and 24?



Lun 4×2×2×5×3-240



Find L cm of eart desired

$$0.03$$
 0.024 0.084
L cm 3, 24, 84 = 168
 $= 1.68$





Lem of frection =
$$\frac{\text{Lem of Numerate}}{\text{Her denom}}$$

5. Find LCM of $\frac{4}{9}$, $\frac{7}{10}$, and $\frac{8}{15}$?
Len of 4,7,8 is 56
Her of 9, 10, 15 in 1

$$i \perp cm \quad f \quad f_{2}, \quad f_{0}, \quad f_{0} \quad i \leq i \leq f_{0}.$$

$$fwi \quad \iota \quad cm \quad f_{2}, \quad f_{2}, \quad \frac{15}{6}$$

$$\iota \quad cm \quad f \quad Nr = 15$$

$$Hc \quad F \quad f_{0} \quad Dr = 2$$

$$\iota \quad cm \quad f \quad fatti \quad \frac{3}{8}, \quad \frac{5}{2}, \quad \frac{15}{6} \quad m \quad \frac{15}{2}$$

6. Find HCF of
$$\frac{4}{7}$$
, $\frac{8}{9}$, and $\frac{10}{63}$? No-Numerale
HCF of frontion = $\frac{HCF}{LCM}$ of Nr.
 $\frac{HCF}{1}$ of $\frac{4}{7}$, $\frac{8}{9}$, $\frac{10}{63}$ in $\frac{2}{53}$
HCF of $\frac{4}{7}$, $\frac{8}{7}$, $\frac{10}{63}$ in $\frac{2}{53}$





A milkman has 3 Jar containing 57 liters, 129 liters and 177 liters of pure milk respectively. A measuring can leaves the same amount of milk 177-129 = 48 Unmeasured in each Jar after a 49-57 different number of exact measurements of milk in each jar. What is the volume of largest such can? (a.) 24 Liters (b) 22 liters (c) 20 liters

(d) 16 liters

9. In a party of children each one gives gift to others the total no. gifts distributed in that party was 132. Fund the no. of children attend that party.

$$n^{2} - n^{-132} = 0$$

$$n(h-1) = 132$$

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$$n - 1 = 11 \implies h = 12$$

$$n^{2} - n^{-132} = 0$$

$$n(h-1) = 12 \times 11$$

$$n - 1 = 11 \implies h = 12$$

$$n(h-12) + 11(n-12) = 0$$

$$(n-12) + 11(n-12) = 0$$

10. Find LCM of 4⁻², 4⁻⁴, 4⁻⁶. base are barne and ferrer are negative shere that Integers power will be LCM Lcm := 4⁻²



12. Find HCF of 6⁸, 6⁴, 6³. Leart Pointine Power mill be HCF



14. If LCM of two no. is 2310 and their HCF is30. If one no. is 330. Then find the other no.

$$L(m \times HCF = \operatorname{Andert} f + \operatorname{tevo} no$$

$$2310 \times /3p = \frac{11}{3}p \times \chi$$

$$\frac{9310}{11} = \chi$$

$$210 = \chi$$

15. If LCM of two no. is 24 times of their HCF. If The sum of HCF and LCM is 375 and one no. is 45, Then what will be the other no.?

$$\begin{array}{l} (af \quad H \subseteq F = \chi \quad = 1) \\ L \subseteq M \quad = 24 \chi \quad = 360 \\ H \subseteq F + L \subseteq M \quad = 375 \\ \eta + 24 \chi = 375 \\ a \leq \chi = 375 \\ \chi = 15 \\ foolow f \quad f two ho. = L \subseteq M \chi H \subseteq F \\ foolow f \quad = 0 \quad M \chi H \subseteq F \\ f \leq \chi \chi \quad = 8 \quad 366 \quad \chi = 5 \\ \chi = 120 \quad = 1 \end{array}$$

16. (I). The greatest no. which when divided by 25, 73, and 97 leaves remainder equal in each Case.



(II) The greatest no. which when divided by 1541, 2443, and 2607 leaves remainder equal in each Case.

 $\begin{array}{rcl} 2443 - 1541 &= 902 & Hc f_{2} \left(1066 \left(1 \\ 902 \\ 2607 - 1541 \\ 2607 - 2443 \\ = 164 \\ Hc f f g 2 \\ n g 2 \\ \hline n g 2 \\$

17. Find the least no. which is to be subtracted out of 1936.so that when it divided by 9, 10 and 15 leaves remainder 7in each case.93



18. Find line least no. which is a perfect square which can be divided by 12, 15, 18 and 24 exactly.

Trial. Find the land $n\overline{v}$ and multiply the factors which is not faired up Lun 12, 15, 18, 24 = $360 \times 10 = 3600$ = $2^3 \times 3^2 \times 5^4 \times 2 \times 5$

Hcfalways divide the numbers Lem is divided by numbers: 20. If HCF of three numbers is 30 and numbers are is ratio 2:3:5. Then numbers are (a) 60.30: T50 (b) 120.200: 300 (c) 60:90.100 (d) 60:90:1502:3:5