

Q1. Three alarm clocks ring at intervals of 4 , 12 and 20 minutes respectively. If they start ringing together , after how much time will they next ring together ? Ans. 60 minutes

Q2. Three alarm clocks ring at intervals of 6 , 9 and 15 minutes respectively. If they start ringing together , after how much time will they next ring together ? Ans. 90 minutes

Q3. The traffic lights at three different road crossings change after every 48 seconds , 72 seconds and 108 seconds respectively. If they all change at 8 : 00 AM simultaneously , then at what time will they change again simultaneously ?

Ans. 8 : 07 : 12

Q4. A sweet seller has 420 kaju barfis and 130 badam barfis. She wants to stack them in such a way that each stack has the same number, and they take up the least area of the tray. What is the maximum number of barfis that can be placed in each stack for this purpose. Ans. 10 barfis

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Q5. An army contingent of 616 members is to march behind an army band of 32 members in a parade. The two groups are to march in the same number of columns. What is the maximum number of columns in which they can march ? Ans. 8

Q6. Two tankers contain 620 litres and 840 litres of diesel respectively. Find the maximum capacity of a container which can measure the diesel of both the tankers in exact number of times. Ans. 20 litres

Ans. 20 litres

Q7. In a seminar, the number of participants in Hindi, English and Mathematics are 60, 84 and 108 respectively. Find the minimum number of rooms required if in each room the same number of participants are to be seated and all of them being in the same subject.

Ans. Hindi - 5 rooms, Eng - 7 rooms and Maths - 9 rooms

Q8. Three sets of English, Hindi and Mathematics books have to be stacked in such a way that all the books are stored topic-wise and the height of each stack is same. The number of English books is 96, the number of Hindi books is 240 and the number of Mathematics books is 336. Determine the number of stacks of English, Hindi and Mathematics books.

Ans. Eng - 2 stacks, Hindi - 5 stacks and Maths - 7 stacks

Q9. Three sets of Physics, Chemistry and Mathematics books have to be stacked in such a way that all the books are stored topic-wise and the height of each stack is same. The number of Physics books is 192, the number of Chemistry books is 240 and the number of Mathematics books is 168. Determine the number of stacks of Physics, Chemistry and Mathematics books.

Ans. Phy - 8 stacks, Chem - 10 stacks and Maths - 7 stacks

Q10. A forester wants to plant 66 Apple trees, 88 Banana trees and 110 Mango trees in equal rows. Also he wants to make separate rows for each type of tree. Find the minimum number of rows of Apple, Banana and Mango trees.

Ans. Apple - 3 rows, Banana - 4 rows and Mango - 5 rows

