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REAL NUMBERS
ASSIGNMENT 3

1. Find the HCF of 2781 and 1242 by using Euclid's Division Algorithm.
2. Find the greatest number less than 150 that is divisible by 18 and 54 .
3. Find the greatest number which divides 39,48 and 90 leaving remainders 6,4 and 2 respectively.
4. A rectangular field is 32 m wide and 48 m long. What is the length of the tape by which the length and breadth can be measured exact number of times?
5. Three heaps of one rupee coins contain 70, 175 and 140 coins. Find the largest number of coins which can be taken exact number of times from each heap.
6. Find the size of the largest square tile to floor a room of 6 m 24 cm length and 9 m 10 cm breadth.
7. Three containers can hold 9,3 and 15 litres of milk. What is the least quantity of milk which can be filled by these containers in exact number of times?
8. Four men walk $105,112,126$ and 168 kilometres in a week respectively. What is the least distance they can walk in an exact number of weeks?
9. Two tankers contain 850 litres and 680 litres of petrol, respectively. Find the maximum capacity of a container which can measure the petrol of either tanker in exact number of times.
10. In a seminar, the number of participants in Hindi, English and Mathematics are 60, 84 and 108 respectively. Find the maximum number of rooms required if in each room the same number of participants are to be seated and all of them being of the same subject.
